TN
859
.C64
R564
no. 4
Ref. 2.3.3-
2.3.6

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FOURTH QUARTERLY DATA REPORT

JUNE, JULY & AUG. SUMMER 1975
BOOK 4 OF 9

TERRESTRIAL BASELINE DATA

Gulf Oil Corporation
and
Standard Oil Company (Indiana)
9725 East Hampden Avenue, Denver, Colorado 80231

SHOUT
SHARE
IT

File No: 83.C.5.1.2.3-17

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Foothill Sage Grid #2 Sample Period July 75 Trap Night 2

Date, time traps set ([illegible]) 27 July Date, time traps checked (0600) 28 July

Last toe clip # used on previous day 0041 Field Analyst(s) [illegible]

Project 83 QA Check RBM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
C-1	EUMI	0005	M	A	33	I	—
C2	EUMI	0043N	F	A	36	I	
C-3	EUMI	0045N	M	A	30	I	—
C-4	EUMI	0010	F	A	U	D	—
C-7	SPTR	0021	M	A	78	I	—
B-10	PEMA	0033	F	A	U	D	—
B 9	PEMA	0035	M	A	17	I	—
B-5	SPTR	0052N	M	J	48	I	—
B-4	SPTR	0053N	F	J	49	I	—
A-1	EUMI	0042 N	M	J	29	I	—
A-3	EUMI	0044 M	M	J	28	I	
A-6	PEMA	0034	F	A	27	A	Pregnant
A-8	EUMI	0051M	M	A	30	U	—
A-12	EUMI	0100	M	A	37	I	
B-7	EUMI	0030	F	A	36	I	—

*Key taxonomic characters, physical condition of animal, etc.

RBOSP PROGRESS REPORT

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File No: 83.C.S.1.2.3-18

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Boothill sage Grid 2 Sample Period July 75 Trap Night 3

Date, time traps set [illegible] Date, time traps checked [illegible]

Last toe clip # used on previous day 0053 Field Analyst(s) [illegible]

Project

QA Check RDm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-1	PEMA	0054 N	M	J	10	I	—
C-2	EUMI	0032	F	A	32	A	swollen nipples
C-3	SPTR	0055N	F	A	51	I	
C-4	PEMA	0046	M	A	17	I	—
C-7	SPTR	0053	F	U	49	I	
C-9	EUMI	0100	M	A	31	-	
C-13	EUMI	0102 N	F	A	33	I	—
B-9	SPTR	0105 N	F	A	99	I	—
[illegible]	EUMI	0201 N	F	A	33	I	—
[illegible]	SPTR	0053	M	U	4[illegible]	I	
B-4	PEMA	0032	F	A	33	A	lactating
A-1	EUMI	0040	F	A	34	U	
A-2	EUMI	0044	M	J	27	I	—
A-3	EUMI	0045	M	A	30	I	—
A-5	EUMI	0101 N	F	A	36	I	—
A-7	EUMI	0051	M	A	29	I	
A-8	EUMI	0032	M	A	36	I	—
A-10	PEMA	0103 N	M	J	16	I	
A-11	EUMI	0104 N	M	A	33	I	—
A-12	EUMI	0030	F	A	35	I	
B-5	SPTR	0021	M	A	76	I	

*Key taxonomic characters, physical condition of animal, etc.

RDOSP PROGRESS REPORT

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File No: B.C.5.1.2.3-19

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Foothill Sage Grid 2 Sample Period July 75 Trap Night 4

Date, time traps set (0600) 29 July 75 Date, time traps checked (0600) 30 July 75

Last toe clip # used on previous day 0201 Field Analyst(s) Susan Snider

Project 13 QA Check RHm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-2	SPTR	0055	F	U	50	I	
C-3	EUMI	0045	M	A	30	I	Nearly dead
C-4	PEMA	0035	M	A	17	D	Dead in trap
C-7	SPTR	0053	F	U	~~45~~ 45	I	—
C-10	EUMI	0051	M	A	30	I	Nearly dead
C-13	EUMI	0202N	F	A	35	I	Nearly dead
[illegible]	SPTR	0052	M	U	47	I	—
B-7	EUMI	0029	M	A	35	I	—
B-6	PEAP	0041	M	A	13	I	—
B-4	PEMA	0024	M	A	23	A	Enlarged testes
A-1	EUMI	0023	F	A	35	I	—
A-2	EUMI	0042	M	U	29	I	—
A-3	EUMI	0005	M	A	33	I	—
A-6	PEMA	0034	F	A	27	A	Swollen nipples
A-7	SPTR	0105	F	A	81	I	—
A-8	EUMI	0030	F	A	35	I	
A-9	EUMI	0104	M	A	33	I	—
A-11	SPTR	0021	M	A	72	I	—
A-12	EUMI	0203N	M?	J	30	I	—

*Key taxonomic characters, physical condition of animal, etc.

RBOSP PROGRESS REPORT

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File No: 83.C.5.1.23-20

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Boothill Swc Grid 2 Sample Period July 75 Trap Night 5

Date, time traps set 0600 30 Jul 75 Date, time traps checked 0800 31 Jul 75

Last toe clip # used on previous day 0203 Field Analyst(s) McEnie/Monson

Project 83 RBOSP Proj. Wk 4 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
A-1	EUMI	0040	M	A	33	I	
A-2	EUMI	0042	M	J	26	~~I~~ D	Dead in trap
A-3	EUMI	0044	M	J	27	I	
A-5	SPTR	0005	F	J	94	I	
A-6	PEMA	0024	M	A	20	A	Desc. testes
A-8	EUMI	0101	F	A	34	I	
A-9	EUMI	0205N	M	A	29	I	Rt rear foot deformed - Ticks
A-10	SPTR	0052	M	J	45	I	
A-12	EUMI	0032	M	A	31	I	
A-13	EUMI	0301N	M	A	33	I	
C-4	EUMI	0030	F	A	33	I	
B-4	PEMA	0034	F	A	21	I	
B-6	EUMI	0104	M	A	33	I	
B-8	SPTR	0053	F	J	37	I	
C-9	SPTR	0204	F	J	43	I	
C-12	SPTR	0021	M	U	70	I	

*Key taxonomic characters, physical condition of animal, etc.

RBOSP PROGRESS REPORT

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File No: 83 C 5.1.2.12-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

10/1

Grid Name Horse P.J. Grid 6 Sample Period JULY 75 Trap Night 1

Date, time traps set 0500 25 JULY 75 Date, time traps checked 0800 26 JULY 75

Last toe clip # used on previous day 0305 Field Analyst(s) S[illegible], Savidge

Project 83 Bag weight - 13 g QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A1	EUMI	0401N	F	J	28	I	—
A3	PEMA	0052	M	A	21	A	Testes enlarged
B4	EUMI	0402N	F	U	30	I	—
A-5	PEMA	0104	F	A	23	A	Pregnant
A-10	PEMA	0020	F	A	25	A	—
A-13	EUMI	0400	M	A	30	U	could be [illegible]
C-11	PEMA	0040	[illegible]	A	[illegible]	A	Testes enlarged
C-1	EUMI	0403N	M	A	31	I	—

*Key taxonomic characters, physical condition of animal, etc.

[illegible] PROGRESS [illegible]

File No: BCS.1.2.12-1 8

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Horse D.T. [illegible] Grid [illegible] Sample Period July 75 Trap Night 2

Date, time traps set (0830) 26 July 75 Date, time traps checked (1530) 27 July 75

Last toe clip # used on previous day [illegible] Field Analyst(s) [illegible]

Project 83 QA Check RPM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
C-3	EUMI	0402	F	A	34	I	—
B-10	PEMA	0045	M	A	13	A	swollen testes
B-6	PEMA	0104	F	A	28	A	Pregnant
B-4	SPLA	0405N	M	A	—	D	Dead in trap
A-3	PEMA	0043	F	A	27	A	pregnant
A-13	EUMI	0404N	M	J	27	I	—
B-7	PEMA	0102	M	A	17	A	swollen testes

*Key taxonomic characters, physical condition of animal, etc.

RBOSP [illegible]

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File No. 83C.5.5.2

BAT MIST NET SAMPLING SHEET

Collector(s) McGuire/Macgregor Date 6/26/76 Project RBOSP- 83

Location: T 2S R 98W S 9 1/4 1/4 S SWSE Time Net Set 2230

Description Ryan gulch stock pond just above Ryan School QA Check bmw 6-29-7

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
2345	Myotis evotis	♀	released
2345	Myotis volans	♂	released
2345	Lasiurus cinereus	♂	collected
2400	Myotis evotis	?	disposed - were dead in net - very bad condition
6/27/76 0700	Myotis leibei	♀	released
	Myotis evotis	♀	released
	Myotis evotis	♀	released
	Myotis volans	♀	released
	M. volans	♀	released
	M. volans	♀	released
0700	net pulled		

2.3.3 Small Mammals

2.3.3 Small Mammals

2.3.3.1 Introduction

No change has occurred since Progress Report 2. See section 3.5.1 in Progress Report-2 for the introduction to the small mammal section.

2.3.3.2 Methods

2.3.3.2.1 Live Trapping

No change has occurred since Progress Report 3. See section 2.3.3.2.1 in Progress Report-3 for the specific methods used in live trapping small mammals.

2.3.3.2.2 Collection of Animals for Laboratory Analysis

A removal trapping program designed to collect small mammals for laboratory analysis of reproductive effort or stomach contents will occur during each of the small mammal live trapping periods. Animals are being collected for analysis of stomach contents during October and December, 1974; during May, July, September and December, 1975; and during May and July, 1976. Animals are being collected for analysis of reproductive effort during May and July, months of peak small mammal breeding activity, 1975 and 1976. The removal program is conducted sufficiently far from the live trapping grids to prevent interference with the live trapping operations. Ideally, for each of the three most common small mammal species, up to five specimens (including at least two females) are collected by a line of 40 snap traps in the major vegetation types where that species occurs. Daily trapping effort is increased in those vegetation types where capture success is low. Trapping is terminated after four nights, however, even if the desired numbers of animals have not been collected. Prior to the laboratory analysis of reproduction effort or stomach contents any internal parasites and general internal condition, if other than normal, will be noted. The species which are being collected and the vegetation types being sampled are listed in Table 2.3-31.

2.3.3.2.3 Laboratory Analysis of Reproductive Effort

The number of placental scars, pigmented areas of the uterus occurring at sites of previous placental attachments, has been used to determine litter size in small mammals (Davis and Emlen, 1948; Corthum, 1967). Since placental scars become increasingly lighter with increased age (Corthum, 1967) the degree of scar pigmentation can be used to indicate the approximate time of parturition (birth). Thus by examining the reproductive tract of adult females of selected species at regular intervals during the breeding season, information on litter size, number of litters per season, and time of parturition can be provided.

Table 2.3-31. Approximate number of individuals of the three most common species being collected for laboratory analysis of reproductive effort and stomach contents within major vegetation types during each sampling period for RBOSP

	Number of Individuals for Each Species [1]		
Vegetation Type	Least Chipmunk (Eutamias minimus)	Deer Mouse (Peromyscus maniculatus)	Long-tailed Vole (Microtus longicaudus)
Aspen			5
Mixed brush	5	5	
Pinyon-juniper (southern slope)	5	5	
Pinyon-juniper (northern slope)	5	5	
Sagebrush	5	5	
Greasewood-Sagebrush	5	5	5
TOTAL	25	25	10

---

[1] These species were selected because they are among the most abundant small mammal species in the vicinity of Tract C-a and are representative of three different groups of rodents (sciurids, cricetids, and microtines).

The laboratory procedures for examining placental scars involve removal of the female reproductive tract, which is placed in a watch glass filled with water. The uterus is stretched to insure that all scars become visible, and a count is made and recorded on a standard data sheet (Figure 2.3-9). If the female is pregnant the number of fetuses is counted.

2.3.3.2.4 Laboratory Analysis of Stomach Contents

Basic dietary preferences or food niches of small mammal species are becoming well-studied by mammalogists, and a solid literature base is developing which can be employed to support interpretation of trophic relationships of mammals within various plant communities. The International Biological Program's Grassland Biome work has provided recent data on small mammal diets through its Diet Laboratory in Fort Collins (e.g., Grant, 1972; Hansen and Moir, 1971; Flinders and Hansen, 1972). These data will be utilized whenever feasible to support interpretation of dietary habits and trophic level position of the small mammal species found on or near Tract C-a.

Stomach contents of animals are emptied into a Petri dish containing water and examined under 30 x magnification through a dissecting stereoscope. The particle on or closest to a mark in the center of the dish is characterized as to whether it is of arthropod, vertebrate or vegetal origin and the data are recorded on data forms (Figure 2.3-10). Vegetation is being differentiated between seeds and succulent parts. A total of 50 particles are examined for each stomach with sufficient agitation of the dish contents between examinations to ensure randomization.

2.3.3.2.5 Collection of Voucher Specimens

No change has occurred since Progress Report 2. See section 3.5.2.5 in Progress Report-2 for the specific methods used in collection of voucher specimens.

2.3.3.2.6 Pitfall Trapping

No change has occurred since Progress Report 3. See section 2.3.3.2.6 in Progress Report-3 for the specific methods used in pitfall trapping.

2.3.3.2.7 Night Spotlight Census

A night spotlight census route has been established to record activity, distribution, and abundance of nocturnally active mammals, particularly rabbits, hares and predators. This census is being conducted on two clear nights during February, June, and October of each year along a 48.4 km (30 mi) route which traverses all major vegetation associations within and adjacent to Tract C-a (Figure 2.3-11). The route is driven at approximately 16.1 km (10 mi) per hour with an observer situated

REPRODUCTIVE STATUS DATA SHEET

Project____________________ Date________________ Investigator____________________

Location___________________________ Habitat____________________________________

Capture Technique____

Comments____

Species__________________________________

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A											
B											
C											
D											
E											

Species__________________________________

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A											
B											
C											
D											
E											

Species__________________________________

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A											
B											
C											
D											
E											

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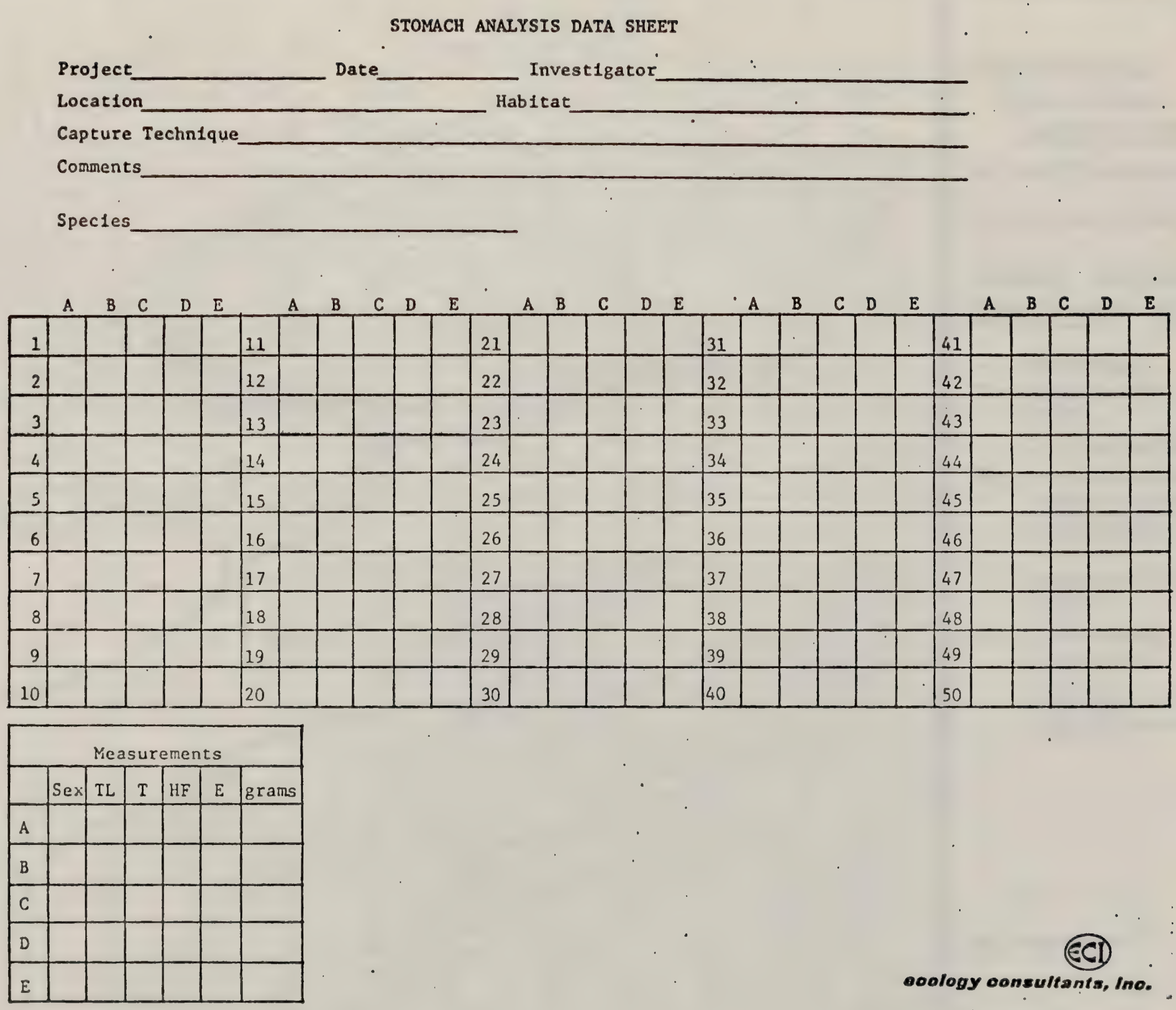
Figure 2.3-9. Reproductive status data sheet for RBOSP.



STOMACH ANALYSIS DATA SHEET

Project________________ Date____________ Investigator__________________________

Location_____________________________ Habitat_______________________________

Capture Technique____

Comments____

Species________________________________

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1						11						21						31						41					
2						12						22						32						42					
3						13						23						33						43					
4						14						24						34						44					
5						15						25						35						45					
6						16						26						36						46					
7						17						27						37						47					
8						18						28						38						48					
9						19						29						39						49					
10						20						30						40						50					

Measurements						
	Sex	TL	T	HF	E	grams
A						
B						
C						
D						
E						

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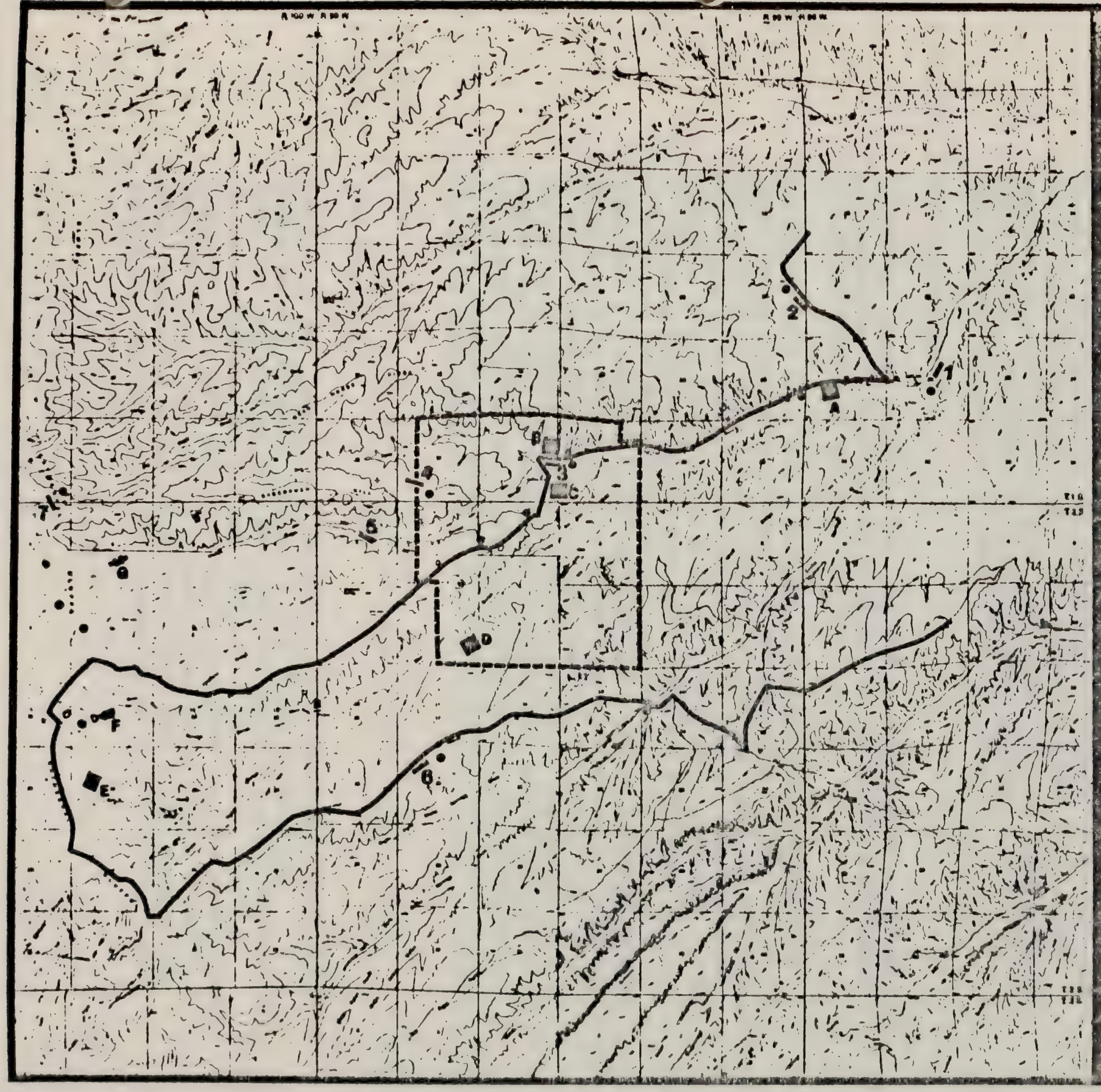
Figure 2.3-10. Stomach analysis data sheet for RBOSP.



TERRESTRIAL ECOLOGICAL INVESTIGATIONS

RIO BLANCO OIL SHALE PROJECT

SMALL MAMMAL SAMPLING SITES

- ● Pitfall Traps
- ⁀ Night Spotlight Census Route

Live Trapping Grids

■ 7.29 ha (18 A) grids

A Greasewood – Sagebrush
B Pinyon - Juniper (southern slope)
C Pinyon - Juniper (northern slope)
D Sagebrush (northern slope)
E Mixed brush

● 1.35 ha (3.3 A) grids

F Douglas fir
G Aspen

— 0.81 ha (2 A) grids

1 Bottomland meadow
2 Sage
3 Rabbitbrush
4 Pinyon-Juniper / Mixed brush
5 Mixed brush
6 Pinyon - Juniper / Sagebrush
7 Upland meadow

Figure 2.3-11

ECOLOGY CONSULTANTS INC.
Fort Collins, Colorado

on the passenger side of the vehicle operating a spotlight. All mammals sighted within a strip up to 25 m (82 ft) wide on the right side of the vehicle are being recorded to species. Odometer readings to the nearest 0.16 km (0.1 mi) are recorded at the start of the census and each time a mammal is observed. Habitat is also noted. All data are recorded on a standard field data sheet (Figure 2.3-12).

Because of variations in topography and vegetation density it is not possible to census accurately all active mammals within a 25 m strip. To account for these variations the "observable distance", up to 25 m in each 1.0 mi portion of the survey route is estimated to the nearest 1.0 m. Multiplying mean width (observable distance) times length provides an estimate of the total area sampled by the night spotlight census route. The number of animals sighted divided by the area sampled gives an estimate of density per unit area.

2.3.3.2.8 Bat Investigations

During the summer months of June and August, 1975 and 1976, ECI employs two techniques to determine the distribution and relative abundance of bat species within and adjacent to Tract C-a.

During daylight hours old buildings, rock overhangs, crevices and other likely places are searched for roosting bats. Ponds in the vicinity of Tract C-a are sampled by mist netting. At dusk on four consecutive nights during the sampling periods, these nets are placed in a vertical position with the bottom shelf less than 0.3 m (1 ft) above ponds or water tanks which bats are visiting. Bats striking the net while sweeping low over the water to drink are captured in the pocket of the net. The mist net is examined as often as necessary to prevent escape or death of captured bats. Sampling is discontinued when no bats are observed for 1/2 hour. The first individual of each species captured is sacrificed and prepared as a voucher specimen. For subsequent captures, the species and sex of the animal, the date and location of sampling and the collector's name are recorded on a standard field data sheet (Figure 2.3- 13). The bat is then released.

2.3.3.3. Results

2.3.3.3.1. Live Trapping

Results of small mammal live trapping studies conducted during four sample periods at grids located in 14 different vegetation types are presented below. Grid designations and habitat descriptions for each sampling location are listed in Table 2.3-32. While interpretations will emphasize results obtained for each grid during the July 25-30, 1975, sampling period, seasonable trends in small mammal population parameters will be identified in the summary and conclusion section. Detailed interpretations of all data will be

MAMMAL NIGHT ROAD CENSUS DATA SHEET

Project__________ Transect #__________ Date______________ Sunset Time__________

Time Begun________ Temp.________ Time Completed________ Temp.______ Cloud Cover_______

Starting Point____________ Finish Point____________ Length of Transect__________

Observable Distance Estimates up to 25 meters.

Mile 1____; 2____; 3____; 4____; 5____; 6____; 7____; 8____; 9____; 10____;
11____; 12____; 13____; 14____; 15____; 16____; 17____; 18____; 19____; 20____;
21____; 22____; 23____; 24____; 25____; 26____; 27____; 28____; 29____; 30____.

Odometer Reading	Species Observed	Habitat	Odometer Reading		Species Observed	Habitat

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Figure 2.3-12. Mammal night road census data sheet for RBOSP.

File No.________________

BAT MIST NET SAMPLING SHEET

Collector(s)________________________________ Date________________ Project______________

Location: T______ R______ S______ 1/4 1/4 S______ Time Net Set ____________________

Description ____ QA Check________

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)

6/75

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Figure 2.3-13. Bat mist net sampling sheet for RBOSP.

Table 2.3- 32. Site descriptions for small mammal, avifauna and invertebrate sampling locations for RBOSP.

LOCATION DESIGNATION				
Small Mammals	Avifauna	Invertebrates	Vegetation Type	Aspect/Elevation
1	1		Bottomland meadow	Flat/6300'
2	2		Sagebrush	Flat/6500'
3	3		Rabbitbrush	Flat/6800'
4	4		Pinyon-juniper/mixed brush	North/7400'
5	5	5	Mixed brush	North/7200'
6	6		Pinyon-juniper/sagebrush	Flat/7400'
7	7		Upland meadow [1/]	Flat/8500'
A	8	1	Greasewood/sagebrush	Flat/6400'
B	9	2	Pinyon-juniper	South/7000'
C	10	3	Pinyon-juniper	North/6900'
D	11	4	Sagebrush	North/7100'
E	12		Mixed brush	South/8300'
F	13		Douglas fir	North/8200'
G	14		Aspen	North/8100'
	15		Riparian	Flat/6700'

[1/] The designation "bald" was used for this type during vegetation sampling.

provided in the Second Annual Report.

A total of 580 individuals, comprising twelve small mammal species, was captured during July live trapping. The species encountered are listed in Table 2.3-33. The ecological distribution and abundance of each species, expressed in numbers of rodents captured per 100 trap nights for each sampled habitat type are summarized in Table 2.3-34 to 2.3-87. Table 2.3-88 provides a capture summary over all species for each grid during all sampling periods. Trapping results for Grid G, aspen, during October and December, 1974, are excluded from the above tables as this grid had to be moved to a different aspen site in May, 1975, due to the presence of a neavy snow cover.

Jolly-Seber estimates of population size and other population parameters including immigration and survivability (Cromack, 1968; Seber, 1973) for selected small mammal species encountered on the large (7.29 ha) grids are presented in Tables 2.3-89 through 2.3-106. Insufficient recapture data for individual animals preclude reliable population estimates for all species captured on all grids. Definition of population parameters estimated and their corresponding notations as used in the above tables are provided in Table 2.3-107.

Shannon-Weiner diversity indices, calculated by the methods outlined in Poole (1974) are shown for all grids investigated during each sampling period in Tables 2.3-108 through 2.3-111. While the diversity indices express numerically the number of species and distribution of individuals among species (equitability), direct comparison of results obtained within different habitats requires a consistency of sampling effort. Therefore species diversity indices obtained from small (0.81 ha) and larger (1.35 ha and 7.29 ha grids) cannot be directly compared.

Average weights, variance and standard error of the mean are presented in Tables 2.3-112 through 2.3-139, for all species encountered on grids during May and July, 1975, sampling periods. Weights were not recorded during October and December, 1974, live trapping efforts. Since repetitive trapping of individual small mammals effects an artificial decrease in body weight, only the initial capture weights of animals are used in the analysis.

2.3.3.3.1.1 Bottomland Meadow (Grid 1)

The unexpected initiation of haying operations by a local rancher at this grid site forced termination of trapping after three nights during the July sampling period. Therefore direct comparison of results with other grids is not possible.

However, this grid was only one of two on which the montane vole (Microtus montanus) was captured during July. This vole prefers grassy meadows (Armstrong, 1972) and both Williams (1955) and Brown (1967) reported the montane vole to be common in grassy meadow situations in central Colorado and southeastern Wyoming, respectively.

Table 2.3-33. Species of wild mammals encountered to date in the vicinity of Tract C-a for RBOSP [1]

FAMILY Species	Common Name
SORICIDAE (Shrews)	
Sorex cinereus	Masked shrew
Sorex merriami (not previously recorded in the area)	Merriam's shrew
VESPERTILIONIDAE	
Myotis californicus	California myotis
Myotis sp.	
Myotis evotus	Long-eared myotis
Myotis subulatus	Small-footed myotis
Lasiurus cinereus	Hoary bat
LEPORIDAE (Hares and rabbits)	
Sylvilagus sp.	Cottontail
Lepus californicus	Black-tailed jackrabbit
Lepus townsendii	White-tailed jackrabbit
SCIURIDAE (Squirrels, ground squirrels, chipmunks)	
Eutamias minimus [4]	Least chipmunk
Eutamias quadrivittatus [4]	Colorado chipnunk
Spermophilus lateralis [4]	Golden-mantled ground squirrel
Spermophilus tridecemlineatus [4]	Thirteen-lined ground squirrel
Tamiasciurus hudsonicus	Red squirrel
GEOMYIDAE (Pocket gophers)	
Thomomys talpoides	Northern pocket gopher
HETEROMYIDAE (Pocket mice, kangaroo mice and kangaroo rats)	
Perognathus apache [4]	Apache pocket mouse
CRICETIDAE (New World mice and rats)	
Peromyscus maniculatus [4]	Deer mouse
Peromyscus truei [4]	Piñon mouse
Neotoma cinerea [4]	Bushy-tailed woodrat
Clethrionomys gapperi [4]	Gapper's red-backed vole

Table 2.3-33. (Continued)

FAMILY Species	Common Name
CRICETIDAE (Continued)	
Microtus longicaudus [4]	Long-tailed vole
Microtus montanus [4]	Montane vole
Lagurus curtatus [4]	Sagebrush vole
ERETHIZONTIDAE (Porcupines)	
Erethizon dorsatum	Porcupine
CANIDAE (Coyote, wolves and foxes)	
Canis latrans	Coyote
MUSTELIDAE (Mustelids, weasels, skunks)	
Mustela erminea	Ermine
Mustela frenata	Longtailed weasel
Taxidea taxus	Badger
FELIDAE (Cats)	
Lynx rufus	Bobcat
EQUIDAE (Horses) [2]	
Equus caballus	Feral horse
CERVIDAE (Deer and elk) [3]	
Cervus canadensis	Elk
Odocoileus hemionus	Mule deer

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[1] The following authority is used for small mammal nomenclature:

Hall, E.R. and K.R. Kelson. 1959. The mammals of North America. Ronald Press Company, New York. 1162 pages.

[2] The following authority is used for feral horse nomenclature:

Blair, W.F., A.P. Blair, P. Brodkorb, F.R. Cagle and G.A. Moore. 1968. Vertebrates of the United States, second edition. McGraw-Hill Book Company. New York. 616 pages.

[3] The following authority is used for large mammal (except feral horse) nomenclature:

Lechleitner, R.R. 1969. Wild mammals of Colorado. Pruett Publishing Company, Boulder. 254 pages.

[4] Encountered during small mammal sample period 4, July 25-30, 1975.

Table 2.3-34. Small mammal trapping summary for grid 1, bottomland meadow, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured Adult M	Proportion captured Adult F	Proportion captured Juvenile M	Proportion captured Juvenile F
Peromyscus maniculatus (deer mouse)	9.70	88.9	0.19	0.81	0.00	0.00
Lagurus curtatus (sagebrush vole)	1.21	11.1	0.50	0.50	0.00	0.00
total	10.91					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-35. Small mammal trapping summary for grid 1, bottomland meadow, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	10.30	70.8	0.53	0.47	0.00	0.00
Microtus montanus (montane vole)	2.42	16.7	0.50	0.50	0.00	0.00
Lagurus curtatus (sagebrush vole)	1.82	12.5	0.67	0.33	0.00	0.00
total	14.55***					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

*** slight discrepencies in addition result from rounding to two decimal places

Table 2.3-36. Small mammal trapping summary for grid 1, bottomland meadow, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	1.21	18.2	0.00	1.00	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.24	63.6	0.71	0.29	0.00	0.00
Microtus montanus (montane vole)	1.21	18.2	0.50	0.50	0.00	0.00
total	6.67					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-37. Small mammal trapping summary for grid 1, bottomland meadow, and sample period 4, July 25-30, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	4.04	80.0	0.75	0.25	0.00	0.00
Microtus montanus (montane vole)	1.01	20.0	0.00	1.00	0.00	0.00
Total	5.05					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-38. Small mammal trapping summary for grid 2, sagebrush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	6.06	55.6	0.60	0.40	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.85	44.4	0.25	0.75	0.00	0.00
total	10.91					

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* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-39. Small mammal trapping summary for grid 2, sagebrush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	4.85	100.0	0.63	0.38	0.00	0.00
total	4.85					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-40. Small mammal trapping summary for grid 2, sagebrush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus tridecemlineatus (thirteen-lined grd. sqr.)	1.82	13.6	0.33	0.67	0.00	0.00
Eutamias minimus (least chipmunk)	7.27	54.5	0.58	0.42	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.24	31.8	0.57	0.43	0.00	0.00
total	13.33					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-41. Small mammal trapping summary for grid 2, sagebrush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus tridecemlineatus (thirteen-lined grd. sqr.)	3.64	17.6	0.17	0.17	0.17	0.50
Eutamias minimus (least chipmunk)	12.12	58.8	0.50	0.40	0.10	0.00
Peromyscus maniculatus (deer mouse)	4.24	20.6	0.29	0.43	0.29	0.00
Perognathus apache (apache pocket mouse)	0.61	2.9	1.00	0.00	0.00	0.00
Total	20.61					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-42. Small mammal trapping summary for grid 3, rabbitbrush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	15.15	64.1	0.24	0.76	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.88	33.3	0.62	0.38	0.00	0.00
Microtus longicaudus (long-tailed vole)	0.61	2.6	1.00	0.00	0.00	0.00
total	23.64					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-43. Small mammal trapping summary for grid 3, rabbitbrush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion captured Adult M	Proportion captured Adult F	Proportion captured Juvenile M	Proportion captured Juvenile F
Peromyscus maniculatus (deer mouse)	12.73	84.0	0.48	0.52	0.00	0.00
Microtus longicaudus (long-tailed vole)	2.42	16.0	0.50	0.50	0.00	0.00
total	15.15					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-44. Small mammal trapping summary for grid 3, rabbitbrush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	2.42	6.8	0.25	0.25	0.50	0.00
Eutamias minimus (least chipmunk)	16.97	47.5	0.54	0.46	0.00	0.00
Peromyscus maniculatus (deer mouse)	16.36	45.8	0.48	0.52	0.00	0.00
Total	35.76					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-45. Small mammal trapping summary for grid 3, rabbitbrush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	1.21	9.5	0.50	0.50	0.00	0.00
Eutamias minimus (least chipmunk)	1.21	9.5	0.00	1.00	0.00	0.00
Peromyscus maniculatus (deer mouse)	10.30	81.0	0.41	0.47	0.06	0.06
Total	12.73					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-46. Small mammal trapping summary for grid 4, pinyon-juniper/mixed brush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	9.70	40.0	0.69	0.31	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	3.03	12.5	0.40	0.60	0.00	0.00
Peromyscus maniculatus (deer mouse)	11.52	47.5	0.79	0.21	0.00	0.00
Total	24.24					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-47. Small mammal trapping summary for grid 4, pinyon-juniper/mixed brush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	2.42	100.0	0.75	0.25	0.00	0.00
Total	2.42					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-48. Small mammal trapping summary for grid 4, pinyon-juniper/mixed brush, and sample period 3, May 18-26, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.61	2.7	1.00	0.00	0.00	0.00
Eutamias minimus (least chipmunk)	12.12	54.1	0.60	0.40	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	1.82	8.1	0.67	0.33	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.88	35.1	0.46	0.54	0.00	0.00
Total	22.42					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-49. Small mammal trapping summary for grid 4, pinyon-juniper/mixed brush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	3.03	22.7	0.60	0.00	0.20	0.20
Eutamias minimus (least chipmunk)	6.67	50.0	0.27	0.55	0.00	0.18
Peromyscus maniculatus (deer mouse)	3.64	27.3	0.50	0.50	0.00	0.00
Total	13.33					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-50. Small mammal trapping summary for grid 5, mixed brush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	12.73	61.8	0.52	0.48	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.88	38.2	0.62	0.38	0.00	0.00
Total	20.61					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-51. Small mammal trapping summary for grid 5, mixed brush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	0.61	50.0	0.00	1.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.61	50.0	1.00	0.00	0.00	0.00
Total	1.21					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-52. Small mammal trapping summary for grid 5, mixed brush, and sample period 3, May 18-26, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	15.15	65.8	0.48	0.52	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.88	34.2	0.38	0.46	0.08	0.08
Total	23.03					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-53. Small mammal trapping summary for grid 5, mixed brush, and sample period 4, July 25-30, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	3.64	42.9	0.17	0.50	0.17	0.17
Peromyscus maniculatus (deer mouse)	4.85	57.1	0.38	0.63	0.00	0.00
Total	8.48					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-54. Small mammal trapping summary for grid 6, pinyon-juniper/sagebrush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	7.27	40.0	0.58	0.42	0.00	0.00
Peromyscus maniculatus (deer mouse)	10.91	60.0	0.22	0.78	0.00	0.00
Total	18.18					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-55. Small mammal trapping summary for grid 6, pinyon-juniper/sagebrush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	6.06	100.0	0.30	0.70	0.00	0.00
Total	6.06					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-56. Small mammal trapping summary for grid 6, pinyon-juniper/sagebrush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.61	2.9	0.00	1.00	0.00	0.00
Eutamias minimus (least chipmunk)	6.67	31.4	0.82	0.18	0.00	0.00
Peromyscus maniculatus (deer mouse)	12.73	60.0	0.43	0.57	0.00	0.00
Perognathus apache (apache pocket mouse)	1.21	5.7	1.00	0.00	0.00	0.00
Total	21.21					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-57. Small mammal trapping summary for grid 6, pinyon-juniper/sagebrush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	3.03	20.0	0.80	0.20	0.00	0.00
Eutamias minimus (least chipmunk)	3.64	24.0	0.33	0.33	0.17	0.17
Peromyscus maniculatus (deer mouse)	7.88	52.0	0.54	0.46	0.00	0.00
Perognathus apache (apache pocket mouse)	0.61	4.0	0.00	1.00	0.00	0.00
Total	15.15					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-58. Small mammal trapping summary for grid 7, upland meadow, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured Adult M	Proportion Captured Adult F	Proportion Captured Juvenile M	Proportion Captured Juvenile F
Eutamias minimus (least chipmunk)	0.61	11.1	1.00	0.00	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.85	88.9	0.50	0.50	0.00	0.00
Total	5.45					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-59. Small mammal trapping summary for grid 7, upland meadow, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
NO SMALL MAMMALS CAPTURED						

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-60. Small mammal trapping summary for grid 7, upland meadow, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured Adult M	Proportion Captured Adult F	Proportion Captured Juvenile M	Proportion Captured Juvenile F
Eutamias minimus (least chipmunk)	1.82	20.0	1.00	0.00	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.27	80.0	0.75	0.17	0.00	0.08
Total	9.09					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-61. Small mammal trapping summary for grid 7, upland meadow, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	1.82	21.4	0.67	0.33	0.00	0.00
Peromyscus maniculatus (deer mouse)	6.67	78.6	0.55	0.18	0.18	0.09
Total	8.48					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-62. Small mammal trapping summary for grid A, greasewood-sagebrush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	9.62	43.2	0.55	0.45	0.00	0.00
Peromyscus maniculatus (deer mouse)	10.38	46.6	0.51	0.48	0.00	0.01
Microtus longicaudus (long-tailed vole)	2.26	10.1	0.80	0.20	0.00	0.00
Total	22.26					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-63. Small mammal trapping summary for grid A, greasewood-sagebrush, and sample period 2, December 7-12, 1974, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured Adult M	F	Juvenile M	F
Peromyscus maniculatus (deer mouse)	8.48	66.7	0.57	0.43	0.00	0.00
Microtus montanus (montane vole)	0.61	4.8	0.00	1.00	0.00	0.00
Microtus longicaudus (long-tailed vole)	3.64	28.6	0.83	0.17	0.00	0.00
Total	12.73					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-64. Small mammal trapping summary for grid A, greasewood-sagebrush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.60	4.9	0.75	0.25	0.00	0.00
Eutamias minimus (least chipmunk)	6.47	52.4	0.60	0.40	0.00	0.00
Peromyscus maniculatus (deer mouse)	5.26	42.7	0.49	0.51	0.00	0.00
Total	12.33					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-65. Small mammal trapping summary for grid A, greasewood-sagebrush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured Adult M	Proportion Captured Adult F	Proportion Captured Juvenile M	Proportion Captured Juvenile F
Spermophilus lateralis (golden-mantle grd. sqr.)	1.80	14.3	0.50	0.42	0.00	0.08
Eutamias minimus (least chipmunk)	4.21	33.3	0.61	0.29	0.04	0.07
Peromyscus maniculatus (deer mouse)	6.47	51.2	0.35	0.28	0.21	0.16
Microtus longicaudus (long-tailed vole)	0.15	1.2	0.00	1.00	0.00	0.00
Total	12.63					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-66. Small mammal trapping summary for grid B, pinyon-juniper (south slope), and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	8.57	51.8	0.47	0.53	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	1.80	10.9	0.42	0.58	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.96	30.0	0.45	0.55	0.00	0.00
Peromyscus truei (pinon mouse)	0.45	2.7	0.67	0.33	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.75	4.5	0.00	1.00	0.00	0.00
Total	16.54					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-67. Small mammal trapping summary for grid B, pinyon-juniper (south slope), and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	7.88	86.7	0.46	0.54	0.00	0.00
Peromyscus truei (pinon mouse)	1.21	13.3	1.00	0.00	0.00	0.00
Total	9.09					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-68. Small mammal trapping summary for grid B, pinyon-juniper (south slope), and sample period 3, May 18-26, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.75	5.3	0.20	0.80	0.00	0.00
Eutamias minimus (least chipmunk)	5.26	37.2	0.51	0.49	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	1.80	12.8	0.42	0.58	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.96	35.1	0.48	0.52	0.00	0.00
Peromyscus truei (pinon mouse)	0.90	6.4	0.67	0.33	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.45	3.2	0.33	0.67	0.00	0.00
Total	14.14					

* 1 tap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-69. Small mammal trapping summary for grid B, pinyon-juniper (south slope), and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	3.91	24.3	0.38	0.50	0.08	0.04
Eutamias minimus (least chipmunk)	5.26	32.7	0.46	0.46	0.06	0.03
Eutamias quadrivittatus (Colorado chipmunk)	1.80	11.2	0.50	0.50	0.00	0.00
Peromyscus maniculatus (deer mouse)	3.01	18.7	0.25	0.65	0.10	0.00
Peromyscus truei (pinon mouse)	0.45	2.8	0.33	0.67	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	1.50	9.3	0.40	0.00	0.20	0.40
Microtus montanus (montane vole)	0.15	0.9	1.00	0.00	0.00	0.00
Total	16.09					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-70. Small mammal trapping summary for grid C, pinyon-juniper (north slope), and sample period 1, October 19-24, 1974, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.15	1.0	1.00	0.00	0.00	0.00
Eutamias minimus (least chipmunk)	4.66	31.0	0.52	0.48	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	2.11	14.0	0.36	0.64	0.00	0.00
Peromyscus maniculatus (deer mouse)	7.37	49.0	0.51	0.49	0.00	0.00
Peromyscus truei (pinon mouse)	0.45	3.0	0.33	0.67	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.15	1.0	1.00	0.00	0.00	0.00
Microtus montanus (montane vole)	0.15	1.0	1.00	0.00	0.00	0.00
Total	15.04					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-71. Small mammal trapping summary for grid C, pinyon-juniper (north slope), and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	0.61	50.0	0.00	1.00	0.00	0.00
Peromyscus truei (pinon mouse)	0.61	50.0	1.00	0.00	0.00	0.00
Total	1.21					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-72. Small mammal trapping summary for grid C, pinyon-juniper (north slope), and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	1.05	11.7	0.43	0.57	0.00	0.00
Eutamias minimus (least chipmunk)	2.56	28.3	0.47	0.53	0.00	0.00
Eutamias quadrivittatus (Colorado chipmunk)	1.05	11.7	0.29	0.71	0.00	0.00
Peromyscus maniculatus (deer mouse)	4.06	45.0	0.41	0.59	0.00	0.00
Peromyscus truei (pinon mouse)	0.30	3.3	0.50	0.50	0.00	0.00
Total	9.02					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-73. Small mammal trapping summary for grid C, pinyon-juniper (north slope), and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	4.51	30.9	0.53	0.27	0.07	0.13
Eutamias minimus (least chipmunk)	4.81	33.0	0.25	0.34	0.25	0.16
Eutamias quadrivittatus (Colorado chipmunk)	1.20	8.2	0.38	0.63	0.00	0.00
Peromyscus maniculatus (deer mouse)	3.16	21.6	0.57	0.38	0.05	0.00
Peromyscus truei (pinon mouse)	0.60	4.1	0.50	0.50	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.30	2.1	0.00	0.00	0.50	0.50
Total	14.59					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-74 Small mammal trapping summary for grid D, sagebrush, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantled grd. sqr.)	0.30	2.0	1.00	0.00	0.00	0.00
Eutamias minimus (least chipmunk)	7.67	50.0	0.53	0.47	0.00	0.00
Peromyscus maniculatus (deer mouse)	6.62	43.1	0.45	0.55	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.15	1.0	0.00	1.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.45	2.9	0.33	0.67	0.00	0.00
Sorex cinereus (masked shrew)	0.15	1.0	-	-	-	-
Total	15.34					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100
- Positive sex identification could not be made in the field

Table 2.3-74 Small mammal trapping summary for grid D, sagebrush, and sample period 1, October 19-24, 1974, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantled grd. sqr.)	0.30	2.0	1.00	0.00	0.00	0.00
Eutamias minimus (least chipmunk)	7.67	50.0	0.53	0.47	0.00	0.00
Peromyscus maniculatus (deer mouse)	6.62	43.1	0.45	0.55	0.00	0.00
Neotoma cinerea (bushy-tailed wood rat)	0.15	1.0	0.00	1.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.45	2.9	0.33	0.67	0.00	0.00
Sorex cinereus (masked shrew)	0.15	1.0	-	-	-	-
Total	15.34					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

- Positive sex identification could not be made in the field

Table 2.3-75. Small mammal trapping summary for grid D, sagebrush, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Lagurus curtatus (sagebrush vole)	1.21	100.0	1.00	0.00	0.00	0.00
Total	1.21					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-76. Small mammal trapping summary for grid D, sagebrush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.75	7.7	0.20	0.60	0.00	0.20
Eutamias minimus (least chipmunk)	5.41	55.4	0.56	0.44	0.00	0.00
Peromyscus maniculatus (deer mouse)	3.31	33.8	0.50	0.50	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.30	3.1	0.50	0.50	0.00	0.00
Total	9.77					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-77. Small mammal trapping summary for grid D, sagebrush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	2.56	32.1	0.41	0.59	0.00	0.00
Eutamias minimus (least chipmunk)	2.26	28.3	0.47	0.47	0.00	0.07
Peromyscus maniculatus (deer mouse)	3.01	37.7	0.35	0.50	0.00	0.15
Lagurus curtatus (sagebrush vole)	0.15	1.9	0.00	1.00	0.00	0.00
Total	7.97					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-78 Small mammal trapping summary for grid E, mixed brush, and sample period 1, October 19-24, 1974, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	5.71	66.7	0.50	0.50	0.00	0.00
Peromyscus maniculatus (deer mouse)	2.26	26.3	0.73	0.27	0.00	0.00
Clethrionomys gapperi (red-backed vole)	0.30	3.5	0.00	1.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.30	3.5	0.50	0.50	0.00	0.00
Total	8.57					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-79. Small mammal trapping summary for grid E, mixed brush, and sample period 2, December 7-12, 1974, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
NO SMALL MAMMALS CAPTURED						

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-80. Small mammal trapping summary for grid E, mixed brush, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured Adult M	Adult F	Juvenile M	Juvenile F
Spermophilus lateralis (golden-mantle grd. sqr.)	0.60	4.6	1.00	0.00	0.00	0.00
Eutamias minimus (least chipmunk)	7.97	60.9	0.47	0.53	0.00	0.00
Peromyscus maniculatus (deer mouse)	3.46	26.4	0.52	0.48	0.00	0.00
Microtus longicaudus (long-tailed vole)	0.30	2.3	1.00	0.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.75	5.7	0.40	0.60	0.00	0.00
Total	13.08					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-81. Small mammal trapping summary for grid E, mixed brush, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Spermophilus lateralis (golden-mantle grd. sqr.)	1.35	12.2	0.44	0.56	0.00	0.00
Eutamias minimus (least chipmunk)	5.11	45.9	0.21	0.56	0.15	0.09
Peromyscus maniculatus (deer mouse)	4.21	37.8	0.36	0.46	0.04	0.14
Microtus longicaudus (long-tailed vole)	0.15	1.4	0.00	1.00	0.00	0.00
Lagurus curtatus (sagebrush vole)	0.30	2.7	0.50	0.50	0.00	0.00
Total	11.13					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-82 Small mammal trapping summary for grid F, Douglas fir, and sample period 1, October 19-24, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	1.22	13.6	0.33	0.67	0.00	0.00
Clethrionomys gapperi (red-backed vole)	7.76	86.4	0.47	0.53	0.00	0.00
Total	8.98					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-83 Small mammal trapping summary for grid F, Douglas fir, and sample period 2, December 7-12, 1974, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Peromyscus maniculatus (deer mouse)	0.61	7.7	1.00	0.00	0.00	0.00
Clethrionomys gapperi (red-backed vole)	7.27	92.3	-	-	-	-
Total	7.88					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100
- Positive sex identification could not be made in the field

Table 2.3-84 Small mammal trapping summary for grid F, Douglas fir, and sample period 3, May 18-26, 1975, for RBOSP

	# Individuals Captured Per 100 Trap Nights *	Relative Abundance **	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	1.35	34.6	0.67	0.33	0.00	0.00
Clethrionomys gapperi (red-backed vole)	2.56	65.4	0.53	0.47	0.00	0.00
Total	3.91					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-85 Small mammal trapping summary for grid F, Douglas fir, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	1.65	50.0	0.36	0.64	0.00	0.00
Clethrionomys gapperi (red-backed vole)	1.65	50.0	0.18	0.82	0.00	0.00
Total	3.31					

* 1 trap night = one trap baited and set for 24 hours
** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-86 Small mammal trapping summary for grid G, aspen, and sample period 3, May 18-26, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	4.92	46.9	0.40	0.60	0.00	0.00
Peromyscus maniculatus (deer mouse)	0.33	3.1	0.00	1.00	0.00	0.00
Clethrionomys gapperi (red-backed vole)	5.25	50.0	0.44	0.56	0.00	0.00
Total	10.49					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-87 Small mammal trapping summary for grid G, aspen, and sample period 4, July 25-30, 1975, for RBOSP

	* # Individuals Captured Per 100 Trap Nights	** Relative Abundance	Proportion Captured			
			Adult		Juvenile	
			M	F	M	F
Eutamias minimus (least chipmunk)	0.98	15.0	0.00	1.00	0.00	0.00
Peromyscus maniculatus (deer mouse)	0.33	5.0	1.00	0.00	0.00	0.00
Clethrionomys gapperi (red-backed vole)	5.25	80.0	0.25	0.50	0.19	0.06
Total	6.56					

* 1 trap night = one trap baited and set for 24 hours

** (# of individuals of each species / # of individuals of all species) X 100

Table 2.3-88. Small mammal trapping summary for all grids during each sampling period for RBOSP

Grid Designation	Vegetation type	# individuals captured of all species per 100 trap nights				
		Oct. 1974	Dec. 1974	May 1975	July 1975	Average
1	Bottomland meadow	10.91	14.55	6.67	5.05 1/	9.30
2	Sagebrush	10.91	4.85	13.33	20.61	12.43
3	Rabbitbrush	23.64	15.15	37.76	12.73	22.32
4	Pinyon-juniper/mixed brush	24.24	2.42	22.42	13.33	15.60
5	Mixed brush	20.61	1.21	23.03	8.48	13.33
6	Pinyon-juniper/sagebrush	18.18	6.06	21.21	15.15	15.15
7	Upland meadow	5.45	0.00	9.09	8.48	5.76
A	Greasewood-sagebrush	22.26	12.73	12.33	12.63	14.99
B	Pinyon-juniper (south slope)	16.54	9.09	14.14	16.09	13.97
C	Pinyon-juniper (north slope)	15.04	1.21	9.02	14.59	9.97
D	Sagebrush	15.34	1.21	9.77	7.97	8.57
E	Mixed brush	8.57	0.00	13.08	11.13	8.20
F	Douglas-fir	8.98	7.88	3.91	3.31	6.02
G	Aspen	2/	2/	10.49	6.56	3/
	Average	15.44	5.87	15.06 3/	11.50 3/	

1/ Trapping terminated after 3 nights

2/ Grid not sampled

3/ For comparative purposes Aspen is not included in totals

Table 2.3-89. Jolly-Seber population size estimates for *Eutamias minimus* (least chipmunk) at grid A, greasewood-sagebrush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.899	0.004
2	0.463	0.805	24.3	50.9	15.2	8.8	36.9	0.977	0.002
3	0.786	0.751	44.2	55.9	7.8	12.0	21.9	0.962	0.004
4	0.833	0.664	45.4	54.2	14.6	133.6	3813.6	1.289	0.083
5	0.963	0.381	68.3	70.9	273.5	13.1	19.6	0.332	0.010
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.625	0.680	22.6	35.3	16.1	2.1	20.1	0.863	0.012
12	0.706	0.465	26.4	36.6	27.3	68.4	1411.1	1.186	0.065
13	0.739	0.438	38.9	52.6	154.5	1.8	31.4	0.528	0.031
14	0.778	0.341	20.5	26.4	42.4	0.7	30.2	1.056	0.141
15	0.833	0.421	23.8	28.5	85.8	*	*	0.545	0.097
16	0.000	*	13.5	*	*	20.3	*	0.788	0.115
17	0.667	0.462	13.0	19.5	24.0	6.4	69.4	1.095	0.175
18	0.600	0.391	15.3	25.6	107.2	11.7	334.1	0.755	0.182
19	0.429	0.243	12.3	28.8	277.5	*	*	*	*
20	0.583	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-90. Jolly-Seber population size estimates for _Peromyscus maniculatus_ (deer mouse) at grid A, greasewood-sagebrush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.838	0.009
2	0.515	0.774	22.6	42.6	20.1	45.3	672.7	1.067	0.048
3	0.542	0.323	40.3	74.4	367.6	9.2	540.8	1.008	0.134
4	0.600	0.247	48.7	81.1	838.6	9.6	491.7	0.829	0.223
5	0.611	0.234	47.0	76.9	1606.1	13.9	166.7	0.187	0.010
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.357	0.495	10.1	28.3	66.6	3.3	113.1	0.786	0.012
12	0.588	0.667	15.0	25.5	8.9	-0.1	24.3	1.164	0.011
13	0.867	0.508	25.6	29.5	17.2	9.7	30.5	0.940	0.042
14	0.684	0.520	25.0	36.5	58.3	1.6	29.1	0.833	0.116
15	0.800	0.480	25.0	31.3	143.9	16.4	57.8	0.235	0.014
16	0.263	0.817	6.1	23.2	16.6	11.7	98.2	1.019	0.012
17	0.579	0.561	20.3	33.9	31.6	21.7	161.4	0.953	0.033
18	0.714	0.543	27.6	38.6	56.4	4.1	14.5	0.585	0.026
19	0.737	0.712	19.7	26.7	29.4	*	*	*	*
20	0.667	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-91. Jolly-Seber population size estimates for Peromyscus maniculatus (deer mouse) at grid B, pinyon-juniper (south slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	1.083	0.042
2	0.313	0.385	13.0	41.6	220.2	-0.4	498.4	0.903	0.063
3	0.583	0.323	21.7	37.1	139.4	-2.0	167.7	1.065	0.244
4	0.750	0.220	27.3	36.4	275.0	13.1	735.8	1.739	2.925
5	0.667	0.118	51.0	76.5	5146.9	11.1	46.3	0.115	0.012
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.313	0.802	6.2	19.9	13.9	5.5	31.1	0.823	0.010
12	0.647	0.799	14.2	21.3	3.2	20.4	122.6	1.212	0.037
13	0.750	0.478	25.1	33.5	50.5	3.0	12.1	0.604	0.024
14	0.750	0.706	17.0	22.7	11.0	28.0	1963.5	2.400	4.396
15	0.600	0.063	48.0	80.0	5800.0	0.0	138.0	0.260	0.056
16	0.625	0.385	13.0	20.8	44.5	14.0	407.4	1.250	0.352
17	0.500	0.200	20.0	40.0	480.0	-6.9	198.4	0.688	0.189
18	0.800	0.242	16.5	20.6	118.7	-1.8	8.3	0.571	0.133
19	1.000	0.400	10.0	10.0	15.0	*	*	*	*
20	0.714	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-92. Jolly-Seber population size estimates for *Eutamias minimus* (least chipmunk) at grid B, pinyon-juniper (south slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.913	0.003
2	0.417	0.476	21.0	50.4	77.6	-3.2	229.8	1.049	0.001
3	0.739	0.471	36.6	48.8	24.7	7.8	37.2	0.972	0.005
4	0.800	0.680	41.4	51.4	12.6	24.8	103.8	1.002	0.015
5	0.821	0.509	45.6	55.0	49.3	1.7	15.2	0.637	0.010
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.933	0.437	32.2	34.4	6.6	7.3	27.9	1.063	0.015
12	0.929	0.382	34.3	36.7	21.0	43.4	430.0	0.922	0.027
13	0.889	0.483	33.1	37.3	30.2	-0.1	7.0	0.921	0.056
14	0.929	0.520	25.0	26.9	27.8	3.0	5.8	0.628	0.037
15	0.818	0.551	16.3	20.0	18.8	4.1	10.5	0.655	0.040
16	0.700	0.583	12.0	17.1	15.5	9.8	74.2	0.950	0.136
17	0.545	0.421	14.3	26.1	114.9	20.9	699.5	0.779	0.209
18	0.364	0.267	15.0	41.3	642.2	8.3	1278.1	1.000	1.014
19	0.444	0.182	22.0	49.5	2465.4	*	*	*	*
20	0.375	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-93. Jolly-Seber population size estimates for *Eutamias quadrivittatus* (Colorado chipmunk) at grid B, pinyon-juniper (south slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	1.000	0.000
2	0.000	*	2.0	*	*	10.0	*	1.000	0.000
3	0.333	1.000	3.0	9.0	0.0	3.8	8.0	0.950	0.024
4	0.667	0.526	7.6	11.4	7.7	0.5	9.0	0.833	0.023
5	0.800	0.500	8.0	10.0	2.5	0.9	6.3	1.089	0.011
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.833	0.510	9.8	11.8	4.7	-0.8	2.1	0.833	0.023
12	1.000	0.333	9.0	9.0	0.0	*	*	*	*
13	1.000	*	*	*	*	*	*	*	*
14	1.000	0.500	6.0	6.0	0.0	2.5	1.2	1.028	0.002
15	0.714	0.811	6.2	8.6	1.3	2.5	12.7	1.102	0.125
16	0.750	0.333	9.0	12.0	24.0	*	*	*	*
17	*	*	*	*	*	*	*	*	*
18	1.000	*	*	*	*	*	*	*	*
19	0.750	*	*	*	*	*	*	*	*
20	0.000	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-94. Jolly-Seber population size estimates for *Spermophilus lateralis* (golden-mantle grd. sqr.) at grid B, pinyon-juniper (south slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.000	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*
14	0.000	*	0.0	*	*	*	*	*	*
15	0.333	*	*	*	*	*	*	0.000	*
16	0.000	*	0.0	*	*	*	*	1.333	0.148
17	0.000	*	1.3	*	*	*	*	2.000	1.167
18	0.000	*	10.7	*	*	53.6	*	0.750	0.188
19	0.273	0.214	14.0	51.3	1019.5	*	*	*	*
20	0.727	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-95. Jolly-Seber population size estimates for Eutamias minimus (least chipmunk) at grid C, pinyon-juniper (north slope); after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.714	0.029
2	0.300	0.600	5.0	16.7	25.9	14.1	216.4	1.128	0.007
3	0.412	0.517	13.5	32.9	60.3	-2.8	80.1	0.804	0.013
4	0.800	0.646	18.9	23.2	5.2	84.8	3386.7	1.528	0.262
5	0.765	0.351	37.0	48.4	335.3	2.5	9.1	0.258	0.013
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.700	0.677	10.3	14.8	4.0	0.9	9.5	1.080	0.038
12	0.857	0.417	14.4	16.8	14.0	-1.3	4.1	0.909	0.107
13	1.000	0.357	14.0	14.0	18.0	0.0	0.0	0.833	0.145
14	1.000	0.600	10.0	10.0	6.7	6.0	26.3	0.600	0.071
15	0.500	0.500	6.0	12.0	21.0	29.9	2562.1	0.711	0.044
16	0.167	0.313	6.4	38.4	444.6	-15.9	2852.0	1.061	0.022
17	0.688	0.673	16.3	23.8	16.9	19.9	313.2	1.055	0.169
18	0.500	0.267	22.5	45.0	412.5	-4.2	65.3	0.436	0.035
19	0.800	0.667	12.0	15.0	10.6	*	*	*	*
20	0.700	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-96. Jolly-Seber population size estimates for *Peromyscus maniculatus* (deer mouse) at grid C, pinyon-juniper (north slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.897	0.009
2	0.588	0.558	17.9	30.5	21.4	12.6	99.3	1.000	0.013
3	0.579	0.461	24.8	41.2	50.4	11.7	88.9	0.920	0.016
4	0.704	0.640	30.1	42.2	28.6	63.8	1267.5	0.973	0.067
5	0.727	0.421	38.0	52.3	205.2	2.1	12.5	0.329	0.011
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.750	0.623	14.5	19.3	5.2	12.4	71.1	1.100	0.023
12	0.571	0.417	19.2	33.6	60.0	-2.1	81.2	0.979	0.060
13	0.800	0.324	24.7	30.8	62.4	6.8	78.2	0.938	0.110
14	0.700	0.280	25.0	35.7	142.2	-4.5	421.0	2.107	3.646
15	0.833	0.085	59.0	70.8	4040.9	3.7	33.9	0.192	0.031
16	0.667	0.348	11.5	17.3	26.7	-3.0	16.8	0.800	0.032
17	1.000	0.700	10.0	10.0	0.0	28.0	1656.0	1.750	0.398
18	0.333	0.143	14.0	42.0	828.0	-33.3	3567.9	1.389	1.419
19	1.000	0.200	25.0	25.0	400.0	*	*	*	*
20	0.500	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-97. Jolly-Seber population size estimates for Eutamias quadrivittatus (Colorado chipmunk) at grid C, pinyon-juniper (north slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	1.100	0.013
2	0.667	0.455	8.8	13.2	11.8	-0.9	9.7	0.860	0.026
3	0.889	0.862	9.3	10.4	0.7	1.3	1.2	0.856	0.030
4	0.857	0.682	8.8	10.3	2.9	4.2	18.8	1.224	0.361
5	0.714	0.417	12.0	16.8	78.0	-1.2	4.3	0.429	0.112
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	1.000	0.333	6.0	6.0	12.0	5.0	92.0	0.833	0.588
12	0.500	0.200	5.0	10.0	88.0	-0.7	43.7	0.667	0.296
13	0.667	0.500	4.0	6.0	12.0	*	*	*	*
14	1.000	*	*	*	*	*	*	*	*
15	0.000	*	*	*	*	*	*	*	*
16	0.000	*	2.0	*	*	*	*	*	*
17	0.500	*	*	*	*	*	*	*	*
18	0.000	*	*	*	*	*	*	*	*
19	0.500	*	*	*	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-98. Jolly-Seber population size estimates for _Spermophilus lateralis_ (golden-mantle grd. sqr.) at grid C, pinyon-juniper (north slope), after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*
4	1.000	1.000	1.0	1.0	0.0	*	*	*	*
5	*	*	*	*	*	*	*	*	*
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.250	1.000	1.0	4.0	0.0	3.0	28.0	0.750	0.297
12	0.500	0.333	3.0	6.0	28.0	-1.0	7.8	0.500	0.125
13	1.000	0.500	2.0	2.0	0.0	0.0	0.0	1.000	0.000
14	1.000	1.000	2.0	2.0	0.0	2.0	0.0	0.500	0.125
15	0.333	1.000	1.0	3.0	0.0	12.0	0.0	0.333	0.074
16	0.077	1.000	1.0	13.0	0.0	23.1	436.9	1.187	0.045
17	0.400	0.259	15.4	38.6	230.9	-8.8	269.2	0.775	0.029
18	0.786	0.663	16.6	21.1	8.0	7.8	10.0	0.788	0.021
19	0.632	0.805	15.3	23.6	9.2	181.3	*	0.582	*
20	0.929	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-99. Jolly-Seber population size estimates for *Eutamias minimus* (least chipmunk) at grid D, sagebrush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	1.025	0.001
2	0.190	0.488	8.2	43.1	199.1	12.7	1120.7	0.995	0.003
3	0.452	0.580	25.0	53.4	52.4	-8.7	88.6	0.927	0.004
4	0.857	0.466	39.0	45.1	11.0	68.6	933.0	1.416	0.049
5	0.786	0.374	59.4	74.9	201.1	0.9	21.5	0.507	0.012
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.947	0.562	32.1	33.8	6.5	5.0	16.6	0.939	0.015
12	0.917	0.350	31.4	34.3	18.9	1.8	8.5	0.905	0.016
13	0.895	0.587	29.1	32.4	8.6	27.7	155.9	1.030	0.033
14	0.895	0.573	29.7	33.2	32.2	0.3	1.2	0.474	0.013
15	0.938	1.000	15.0	16.0	*	*	*	*	*
16	0.000	*	*	*	*	*	*	*	*
17	0.167	0.250	4.0	24.0	684.0	*	*	*	*
18	0.500	*	*	*	*	*	*	*	*
19	0.200	*	*	*	*	*	*	*	*
20	0.333	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-100. Jolly-Seber population size estimates for _Peromyscus maniculatus_ (deer mouse) at grid D, sagebrush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.803	0.013
2	0.588	0.733	13.6	23.2	8.7	14.3	60.4	0.891	0.012
3	0.526	0.543	18.4	35.0	35.3	-1.3	38.1	0.833	0.008
4	0.815	1.008	22.0	26.8	*	42.1	582.7	0.480	0.010
5	0.706	1.000	12.0	17.0	*	*	*	0.206	0.013
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.000	*	3.5	*	*	28.6	*	0.987	0.032
12	0.375	0.579	10.4	27.6	51.5	-1.7	68.6	0.786	0.025
13	0.800	0.500	16.0	20.0	13.3	3.2	21.4	0.975	0.071
14	0.750	0.385	15.6	20.8	33.6	-2.9	13.8	0.909	0.125
15	1.000	0.500	16.0	16.0	26.7	14.0	102.0	0.438	0.043
16	0.333	0.571	7.0	21.0	48.4	0.0	80.8	0.800	0.041
17	0.714	0.417	12.0	16.8	20.4	-3.6	23.3	1.286	0.388
18	1.000	0.333	18.0	18.0	72.0	2.3	5.3	0.500	0.116
19	0.800	0.444	9.0	11.3	27.0	*	*	*	*
20	0.571	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-101. Jolly-Seber population size estimates for _Eutamias minimus_ (least chipmunk) at grid E, mixed brush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.969	0.003
2	0.391	0.489	18.4	47.0	80.4	-10.8	174.9	0.931	0.001
3	0.913	0.698	30.2	32.9	0.0	28.6	72.9	1.214	*
4	0.935	0.767	37.9	40.4	11.5	41.0	433.6	0.727	0.029
5	0.938	0.497	30.2	32.2	45.8	37.0	562.4	0.549	0.029
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.292	0.452	15.5	53.0	211.3	-2.2	379.5	0.761	0.012
12	0.647	0.461	24.6	36.9	30.1	88.3	2895.8	1.216	0.074
13	0.762	0.421	38.0	49.9	157.9	3.0	14.4	0.515	0.031
14	0.722	0.765	17.0	23.5	12.2	15.3	92.7	0.745	0.064
15	0.500	0.488	16.4	32.8	131.2	-4.1	26.8	0.491	0.053
16	1.000	0.545	11.0	11.0	15.0	24.0	1289.6	0.600	0.134
17	0.200	0.333	6.0	30.0	380.0	0.9	1803.8	1.143	0.531
18	0.455	0.313	16.0	35.2	572.1	62.1	37491.3	0.523	0.203
19	0.143	0.087	11.5	80.5	8287.1	*	*	*	*
20	0.455	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-102. Jolly-Seber population size estimates for *Peromyscus maniculatus* (deer mouse) at grid E, mixed brush, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	1.089	0.010
2	0.375	0.344	8.7	23.2	83.7	-6.4	181.7	0.948	0.020
3	0.833	0.769	13.0	15.6	3.6	-0.4	0.7	0.667	0.019
4	1.000	1.000	10.0	10.0	0.0	*	*	*	*
5	1.000	*	*	*	*	*	*	*	*
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.000	*	0.0	*	*	19.0	*	0.939	0.009
12	0.571	0.774	10.3	18.1	5.3	0.1	7.9	0.934	0.015
13	0.900	0.590	15.3	16.9	4.4	2.7	5.1	0.941	0.033
14	0.818	0.589	15.3	18.7	11.3	4.8	17.4	0.940	0.105
15	0.727	0.492	16.3	22.3	56.4	29.6	1366.4	0.613	0.089
16	0.273	0.254	11.8	43.3	594.0	-6.1	622.7	0.657	0.078
17	0.583	0.538	13.0	22.3	66.5	2.1	17.1	0.444	0.045
18	0.667	0.500	8.0	12.0	21.0	*	*	*	*
19	0.429	*	*	*	*	*	*	*	*
20	0.500	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-103 Jolly-Seber population size estimates for *Clethrionomys gapperi* (red-backed vole) at grid F, Douglas fir, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	0.000	*	0.0	*	*	*	*	0.750	0.103
2	0.286	0.533	3.8	13.1	48.8	1.6	69.4	0.724	0.088
3	0.571	0.632	6.3	11.1	17.6	11.8	185.1	0.696	0.196
4	0.333	0.462	6.5	19.5	163.6	*	*	*	*
5	1.000	*	*	*	*	*	*	*	*
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.125	0.333	3.0	24.0	496.0	-2.4	1108.8	0.600	0.060
12	0.500	0.333	6.0	12.0	34.7	0.0	227.8	1.750	1.839
13	0.667	0.143	14.0	21.0	333.0	4.2	63.7	0.467	0.162
14	0.500	0.429	7.0	14.0	45.3	3.5	151.6	1.300	1.274
15	0.600	0.231	13.0	21.7	381.5	*	*	*	*
16	0.500	*	*	*	*	*	*	*	*
17	1.000	*	*	*	*	*	*	*	*
18	0.000	*	3.0	*	*	*	*	*	*
19	0.000	*	*	*	*	*	*	*	*
20	0.500	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-104. Jolly-Seber population size estimates for *Eutamias minimus* (least chipmunk) at grid F, Douglas fir, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*	*
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	*	*	*	*	*	*	*	*	*
12	0.000	*	0.0	*	*	7.0	*	1.000	0.000
13	0.500	0.333	3.0	6.0	12.0	3.5	239.6	1.750	1.172
14	0.500	0.143	7.0	14.0	180.0	3.5	145.9	0.750	0.375
15	0.429	0.500	6.0	14.0	67.7	*	*	1.000	1.000
16	0.000	*	9.0	*	*	12.3	*	0.333	0.074
17	0.333	0.250	4.0	12.0	72.0	-4.0	397.2	1.333	0.176
18	0.667	0.250	8.0	12.0	38.2	*	*	*	*
19	0.500	*	*	*	*	*	*	*	*
20	0.833	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Comparable estimates of population size are not possible for winter samples (trap nights 6-10) due to a reduction in sampling effort

Table 2.3-105 Jolly-Seber population size estimates for *Clethrionomys gapperi* (red-backed vole) at grid G, aspen, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.000	*	0.0	*	*	*	*	0.500	0.208
12	0.000	*	1.5	*	*	38.0	*	2.000	3.333
13	0.250	0.111	9.0	36.0	2016.0	*	*	0.500	0.312
14	0.000	*	6.0	*	*	*	*	*	*
15	0.000	*	*	*	*	15.5	*	1.500	*
16	0.429	0.500	6.0	14.0	67.7	*	*	*	*
17	1.000	*	*	*	*	*	*	*	*
18	0.000	*	*	*	*	*	*	*	*
19	0.200	*	*	*	*	*	*	*	*
20	0.250	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Grid not sampled

Table 2.3-106. Jolly-Seber population size estimates for *Eutamias minimus* (least chipmunk) at grid G, aspen, after each trap night for RBOSP

i	a	p	M	N	var(N/N)	B	var(B)	O	var(O)
1	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	0.000	*	0.0	*	*	4.0	*	1.000	0.000
12	0.333	1.000	1.0	3.0	0.0	0.0	0.0	2.000	0.667
13	1.000	0.333	6.0	6.0	12.0	4.0	*	0.500	0.125
14	0.429	1.000	3.0	7.0	*	*	*	*	*
15	0.500	*	*	*	*	1.4	*	0.200	*
16	1.000	1.000	1.0	1.0	0.0	*	*	*	*
17	*	*	*	*	*	*	*	*	*
18	0.000	*	*	*	*	*	*	*	*
19	1.000	1.000	1.0	1.0	0.0	*	*	*	*
20	0.500	*	*	*	*	*	*	*	*

* Recapture data are insufficient to permit computation

- Grid not sampled

Table 2.3-107 Definition of population parameters measured by the Jolly-Seber method and corresponding notations used in Tables 2.3-89 to 2.3-106 for RBOSP

Notation	Definition
i	Trap night (1-5 - Sample period 1, Oct. 19-24, 1974) (6-10 - Sample period 2, Dec. 7-12, 1974) (11-15 - Sample period 3, May 18-26, 1975) (16-20 - Sample period 4, July 25-30, 1975)
a	Proportion of marked animals in sample i
p	Probability an animal alive at time i is caught at time i
M	Estimate of the size of marked population just before the i^{th} sample
N	Estimate of the total population size just before the i^{th} sample
var (N(N))	Error of estimation of N
B	Number of new animals joining the population in the interval from time i to time i + 1 which are still alive and in the population at time i + 1
var (B)	The variance associated with estimating B
0	Probability an animal alive at time i survives to time i + 1
var (0)	The variance associated with estimating 0

Table 2.3-108. Shannon-Weiner diversity indices (H'), unbiased estimates of H' (E(H')), variance of H' (var (H')), maximum expected value of H' (H'(max)), and equitability (J) for all small mammal grids during sample period 1, October 19-24, 1974, for RBOSP

Grid Designation	Vegetation Type	H'	E(H')	var(H')	H'(max)	J
1	Bottomland meadow	0.349	0.321	0.024	0.693	0.503
2	Sagebrush	0.687	0.659	0.001	0.693	0.991
3	Rabbitbrush	0.745	0.720	0.008	1.099	0.678
4	Pinyon-juniper/mixed brush	0.980	0.955	0.004	1.099	0.892
5	Mixed brush	0.665	0.650	0.002	0.693	0.960
6	Pinyon-juniper/sagebrush	0.673	0.656	0.001	0.693	0.971
7	Upland meadow	0.349	0.293	0.047	0.693	0.503
A	Greasewood-sagebrush	0.950	0.944	0.001	1.099	0.865
B	Pinyon-juniper (south slope)	1.182	1.164	0.005	1.609	0.735
C	Pinyon-juniper (north slope)	1.231	1.201	0.007	1.946	0.633
D	Sagebrush	0.981	0.956	0.007	1.792	0.547
E	Mixed brush	0.857	0.830	0.011	1.386	0.618
F	Douglas fir	0.398	0.376	0.018	0.693	0.575
G	Aspen	1.028	0.989	0.011	1.386	0.742

Table 2.3-109. Shannon-Weiner diversity indices (H'), unbiased estimates of H' (E(H')), variance of H' (var (H')), maximum expected value of H' (H'(max)), and equitability (J) for all small mammal grids during sample period 2, December 7-12, 1974, for RBOSP

Grid Designation	Vegetation Type	H'	E(H')	var(H')	H'(max)	J
1	Bottomland meadow	0.803	0.761	0.021	1.099	0.731
2	Sagebrush	0.000	0.000	0.000	0.000	-
3	Rabbitbrush	0.440	0.420	0.015	0.693	0.634
4	Pinyon-juniper/mixed brush	0.000	0.000	0.000	0.000	-
5	Mixed brush	0.693	0.443	0.000	0.693	1.000
6	Pinyon-juniper/sagebrush	0.000	0.000	0.000	0.000	-
7	Upland meadow	0.000	-	-	-	-
A	Greasewood-sagebrush	0.773	0.726	0.019	1.099	0.704
B	Pinyon-juniper (south slope)	0.393	0.359	0.027	0.693	0.567
C	Pinyon-juniper (north slope)	0.693	0.443	0.000	0.693	1.000
D	Sagebrush	0.000	0.000	0.000	0.000	-
E	Mixed brush	0.000	-	-	-	-
F	Douglas fir	0.271	0.233	0.034	0.693	0.391
G	Aspen	0.491	0.475	0.010	0.693	0.709

- Insufficient data for computation

Table 2.3-110. Shannon-Weiner diversity indices (H'), unbiased estimates of H' (E(H')), variance of H' (var (H')), maximum expected value of H' (H'(max)), and equitability (J) for all small mammal grids during sample period 3, May 18-26, 1975, for RBOSP

Grid Designation	Vegetation Type	H'	E(H')	var(H')	H'(max)	J
1	Bottomland meadow	0.908	0.817	0.033	1.099	0.826
2	Sagebrush	0.967	0.921	0.010	1.099	0.880
3	Rabbitbrush	0.894	0.877	0.004	1.099	0.814
4	Pinyon-juniper/mixed brush	1.001	0.961	0.012	1.386	0.722
5	Mixed brush	0.642	0.629	0.003	0.693	0.927
6	Pinyon-juniper/sagebrush	0.935	0.893	0.015	1.386	0.675
7	Upland meadow	0.500	0.467	0.020	0.693	0.722
A	Greasewood-sagebrush	0.849	0.837	0.003	1.099	0.773
B	Pinyon-juniper (south slope)	1.440	1.413	0.006	1.792	0.804
C	Pinyon-juniper (north slope)	1.331	1.298	0.007	1.609	0.827
D	Sagebrush	0.998	0.975	0.007	1.386	0.720
E	Mixed brush	1.046	1.023	0.009	1.609	0.650
F	Douglas fir	0.645	0.626	0.004	0.693	0.931
G	Aspen	0.810	0.779	0.007	1.099	0.737

Table 2.3-111. Shannon-Weiner diversity indices (H'), unbiased estimates of H' (E(H')), variance of H' (var (H')), maximum expected value of H' (H'(max)), and equitability (J) for all small mammal grids during sample period 4, July 25-30, 1975, for RBOSP

Grid Designation	Vegetation Type	H'	E(H')	var(H')	H'(max)	J
1	Bottomland meadow	0.500	0.400	0.061	0.693	0.722
2	Sagebrush	1.047	1.003	0.014	1.386	0.755
3	Rabbitbrush	0.619	0.571	0.034	1.099	0.563
4	Pinyon-juniper/mixed brush	1.038	0.992	0.006	1.099	0.945
5	Mixed brush	0.683	0.647	0.001	0.693	0.985
6	Pinyon-juniper/sagebrush	1.133	1.073	0.014	1.386	0.817
7	Upland meadow	0.520	0.484	0.020	0.693	0.750
A	Greasewood-sagebrush	1.040	1.022	0.004	1.386	0.750
B	Pinyon-juniper (south slope)	1.634	1.606	0.004	1.946	0.839
C	Pinyon-juniper (north slope)	1.477	1.452	0.004	1.792	0.825
D	Sagebrush	1.165	1.136	0.003	1.386	0.840
E	Mixed brush	1.137	1.110	0.007	1.609	0.706
F	Douglas fir	0.693	0.670	0.000	0.693	1.000
G	Aspen	0.613	0.563	0.033	1.099	0.558

Table 2.3-112. Average weights for adult small mammals captured on grid 1, bottomland meadow, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	0			
FEMALE	2	31.00	2.00	1.00
ALL ADULTS	2	31.00	2.00	1.00
Peromyscus maniculatus (deer mouse)				
MALE	4	19.00	6.67	1.29
FEMALE	2	19.00	8.00	2.00
ALL ADULTS	6	19.00	5.60	0.97
Microtus montanus (montane vole)				
MALE	1	29.00		
FEMALE	1	30.00		
ALL ADULTS	2	29.50	0.50	0.50

* Only the initial capture weights of individuals are used in analysis

Table 2.3-113. Average weights for adult small mammals captured on grid 1, bottomland meadow, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Peromyscus maniculatus (deer mouse)				
MALE	3	21.33	10.33	1.86
FEMALE	1	18.00		
ALL ADULTS	4	20.50	9.67	1.55

* Only the initial capture weights of individuals are used in analysis

Table 2.3-114. Average weights for adult small mammals captured on grid 2, sagebrush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus tridecemlineatus (thirteen-lined grd. sqr.)				
MALE	1	59.00		
FEMALE	2	58.00	32.00	4.00
ALL ADULTS	3	58.33	16.33	2.33
Eutamias minimus (least chipmunk)				
MALE	6	33.50	12.30	1.43
FEMALE	5	36.80	19.70	1.98
ALL ADULTS	11	35.00	17.00	1.24
Peromyscus maniculatus (deer mouse)				
MALE	4	20.75	0.92	0.48
FEMALE	3	27.67	37.33	3.53
ALL ADULTS	7	23.71	26.57	1.95

* Only the initial capture weights of individuals are used in analysis

Table 2.3-115. Average weights for adult small mammals captured on grid 2, sagebrush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size *	Average (gm)	Variance	Standard Error
Spermophilus tridecemlineatus (thirteen-lined grd. sqr.)				
MALE	1	78.00		
FEMALE	1	94.00		
ALL ADULTS	2	86.00	128.00	8.00
Eutamias minimus (least chipmunk)				
MALE	10	32.50	7.39	0.86
FEMALE	7	34.29	5.57	0.89
ALL ADULTS	17	33.24	7.07	0.64
Peromyscus maniculatus (deer mouse)				
MALE	2	22.00	2.00	1.00
FEMALE	2	29.50	24.50	3.50
ALL ADULTS	4	25.75	27.58	2.63
Perognathus apache (apache pocket mouse)				
MALE	1	13.00		
FEMALE	0			
ALL ADULTS	1	13.00		

* Only the initial capture weights of individuals are used in analysis

Table 2.3-116. Average weights for adult small mammals captured on grid 3, rabbitbrush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	1	151.00		
FEMALE	1	177.00		
ALL ADULTS	2	164.00	338.00	13.00
Eutamias minimus (least chipmunk)				
MALE	14	30.07	10.07	0.85
FEMALE	11	38.00	49.40	2.12
ALL ADULTS	25	33.56	42.17	1.30
Peromyscus maniculatus (deer mouse)				
MALE	13	19.85	9.31	0.85
FEMALE	13	19.00	5.83	0.67
ALL ADULTS	26	19.42	7.45	0.54

* Only the initial capture weights of individuals are used in analysis

Table 2.3-117. Average weights for adult small mammals captured on grid 3, rabbitbrush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	1	195.00		
FEMALE	0			
ALL ADULTS	1	195.00		
Eutamias minimus (least chipmunk)				
MALE	0			
FEMALE	2	43.00	18.00	3.00
ALL ADULTS	2	43.00	18.00	3.00
Peromyscus maniculatus (deer mouse)				
MALE	6	21.83	7.37	1.11
FEMALE	8	23.00	17.43	1.48
ALL ADULTS	14	22.50	12.58	0.95

* Only the initial capture weights of individuals are used in analysis

Table 2.3-118. Average weights for adult small mammals captured on grid 4, pinyon-juniper/mixed brush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	1	181.00		
FEMALE	0			
ALL ADULTS	1	181.00		
Eutamias minimus (least chipmunk)				
MALE	12	31.42	4.27	0.60
FEMALE	8	36.00	10.86	1.16
ALL ADULTS	20	33.25	11.78	0.77
Eutamias quadrivittatus (Colorado chipmunk)				
MALE	2	50.00	2.00	1.00
FEMALE	1	81.00		
ALL ADULTS	3	60.33	321.33	10.35
Peromyscus maniculatus (deer mouse)				
MALE	6	20.50	15.10	1.59
FEMALE	7	21.86	8.48	1.10
ALL ADULTS	13	21.23	11.03	0.92

* Only the initial capture weights of individuals are used in analysis

Table 2.3-119. Average weights for adult small mammals captured on grid 4, pinyon-juniper/mixed brush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	3	163.00	237.00	8.89
FEMALE	0			
ALL ADULTS	3	163.00	237.00	8.89
Eutamias minimus (least chipmunk)				
MALE	2	32.50	0.50	0.50
FEMALE	6	34.83	9.37	1.25
ALL ADULTS	8	34.25	7.93	1.00
Peromyscus maniculatus (deer mouse)				
MALE	3	18.00	3.00	1.00
FEMALE	3	27.67	32.33	3.28
ALL ADULTS	6	22.83	42.17	2.65

* Only the initial capture weights of individuals are used in analysis

Table 2.3-120. Average weights for adult small mammals captured on grid 5, mixed brush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	12	32.00	8.55	0.84
FEMALE	13	37.15	17.14	1.15
ALL ADULTS	25	34.68	19.39	0.88
Peromyscus maniculatus (deer mouse)				
MALE	5	20.40	11.30	1.50
FEMALE	6	21.00	12.40	1.44
ALL ADULTS	11	20.73	10.82	0.99

* Only the initial capture weights of individuals are used in analysis

Table 2.3-121. Average weights for adult small mammals captured on grid 5, mixed brush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	1	26.00		
FEMALE	3	39.00	13.00	2.08
ALL ADULTS	4	35.75	50.92	3.57
Peromyscus maniculatus (deer mouse)				
MALE	3	18.67	2.33	0.88
FEMALE	5	23.00	18.50	1.92
ALL ADULTS	8	21.38	16.27	1.43

* Only the initial capture weights of individuals are used in analysis

Table 2.3-122. Average weights for adult small mammals captured on grid 6, pinyon-juniper/sagebrush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size *	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	0			
FEMALE	1	206.00		
ALL ADULTS	1	206.00		
Eutamias minimus (least chipmunk)				
MALE	9	31.89	6.61	0.86
FEMALE	2	34.00	8.00	2.00
ALL ADULTS	11	32.27	6.82	0.79
Peromyscus maniculatus (deer mouse)				
MALE	9	20.89	15.61	1.32
FEMALE	12	21.17	10.88	0.95
ALL ADULTS	21	21.05	12.25	0.76
Perognathus apache (apache pocket mouse)				
MALE	2	14.00	2.00	1.00
FEMALE	0			
ALL ADULTS	2	14.00	2.00	1.00

* Only the initial capture weights of individuals are used in analysis

Table 2.3-123. Average weights for adult small mammals captured on grid 6, pinyon-juniper/sagebrush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	3	165.33	1064.33	18.84
FEMALE	1	161.00		
ALL ADULTS	4	164.25	714.25	13.36
Eutamias minimus (least chipmunk)				
MALE	2	30.50	0.50	0.50
FEMALE	2	30.50	0.50	0.50
ALL ADULTS	4	30.50	0.33	0.29
Peromyscus maniculatus (deer mouse)				
MALE	7	18.71	24.24	1.86
FEMALE	6	24.33	12.67	1.45
ALL ADULTS	13	21.31	25.90	1.41
Perognathus apache (apache pocket mouse)				
MALE	0			
FEMALE	1	10.00		
ALL ADULTS	1	10.00		

* Only the initial capture weights of individuals are used in analysis

Table 2.3-124. Average weights for adult small mammals captured on grid 7, upland meadow, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	1	33.00		
FEMALE	0			
ALL ADULTS	1	33.00		
Peromyscus maniculatus (deer mouse)				
MALE	9	21.89	1.86	0.45
FEMALE	2	20.00	32.00	4.00
ALL ADULTS	11	21.55	5.27	0.69

* Only the initial capture weights of individuals are used in analysis

Table 2.3-125. Average weights for adult small mammals captured on grid 7, upland meadow, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	2	31.00	2.00	1.00
FEMALE	1	39.00		
ALL ADULTS	3	33.67	22.33	2.73
Peromyscus maniculatus (deer mouse)				
MALE	6	18.00	14.40	1.55
FEMALE	2	20.50	4.50	1.50
ALL ADULTS	8	18.63	12.27	1.24

* Only the initial capture weights of individuals are used in analysis

Table 2.3-126. Average weights for adult small mammals captured on grid A, greasewood-sagebrush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size *	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	2	208.50	10224.50	71.50
FEMALE	1	266.00		
ALL ADULTS	3	227.67	6214.33	45.51
Eutamias minimus (least chipmunk)				
MALE	25	32.44	7.59	0.55
FEMALE	17	36.76	72.82	2.07
ALL ADULTS	42	34.19	37.48	0.94
Peromyscus maniculatus (deer mouse)				
MALE	17	21.71	2.60	0.39
FEMALE	18	23.33	14.24	0.89
ALL ADULTS	35	22.54	9.02	0.51

* Only the initial capture weights of individuals are used in analysis

Table 2.3-127. Average weights for adult small mammals captured on grid A, greasewood-sagebrush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	6	161.33	776.27	11.37
FEMALE	5	159.80	1443.70	16.99
ALL ADULTS	11	160.64	966.25	9.37
Eutamias minimus (least chipmunk)				
MALE	17	33.24	6.19	0.60
FEMALE	6	37.00	22.40	1.93
ALL ADULTS	23	34.22	12.45	0.74
Peromyscus maniculatus (deer mouse)				
MALE	14	20.43	13.49	0.98
FEMALE	12	22.08	18.08	1.23
ALL ADULTS	26	21.19	15.68	0.78
Microtus longicaudus (long-tailed vole)				
MALE	0			
FEMALE	1	23.00		
ALL ADULTS	1	23.00		

* Only the initial capture weights of individuals are used in analysis

Table 2.3-128. Average weights for adult small mammals captured on grid B, pinyon-juniper (south slope), during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus _lateralis_ (golden-mantle grd. sqr.)				
MALE	1	178.00		
FEMALE	3	141.00	427.00	11.93
ALL ADULTS	4	150.25	626.92	12.52
Eutamias _minimus_ (least chipmunk)				
MALE	18	32.11	10.22	0.75
FEMALE	17	35.82	14.90	0.94
ALL ADULTS	35	33.91	15.67	0.67
Eutamias _quadrivittatus_ (Colorado chipmunk)				
MALE	5	47.60	24.30	2.20
FEMALE	7	51.14	39.48	2.37
ALL ADULTS	12	49.67	33.70	1.68
Peromyscus _maniculatus_ (deer mouse)				
MALE	16	20.63	9.85	0.78
FEMALE	17	19.59	4.76	0.53
ALL ADULTS	33	20.09	7.27	0.47
Peromyscus _truei_ (pinon mouse)				
MALE	4	21.25	3.58	0.95
FEMALE	2	24.50	24.50	3.50
ALL ADULTS	6	22.33	9.87	1.28
Neotoma _cinerea_ (bushy-tail wood rat)				
MALE	0			
FEMALE	2	194.50	364.50	13.50
ALL ADULTS	2	194.50	364.50	13.50

* Only the initial capture weights of individuals are used in analysis

Table 2.3-129 Average weights for adult small mammals captured on grid B, pinyon-juniper (south slope), during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	10	156.00	830.67	9.11
FEMALE	13	157.23	1736.53	11.56
ALL ADULTS	23	156.70	1287.40	7.48
Eutamias minimus (least chipmunk)				
MALE	16	32.13	17.18	1.04
FEMALE	16	34.69	21.43	1.16
ALL ADULTS	32	33.41	20.38	0.80
Eutamias quadrivittatus (Colorado chipmunk)				
MALE	6	51.00	7.20	1.10
FEMALE	6	57.83	58.17	3.11
ALL ADULTS	12	54.42	42.45	1.88
Peromyscus maniculatus (deer mouse)				
MALE	5	17.60	9.80	1.40
FEMALE	13	23.46	6.10	0.69
ALL ADULTS	18	21.83	13.91	0.88
Peromyscus truei (pinon mouse)				
MALE	1	25.00		
FEMALE	2	26.50	0.50	0.50
ALL ADULTS	3	26.00	1.00	0.58
Neotoma cinerea (bushy-tail wood rat)				
MALE	3	177.67	994.33	18.21
FEMALE	0			
ALL ADULTS	3	177.67	994.33	18.21
Microtus montanus (montane vole)				
MALE	1	18.00		
FEMALE	0			
ALL ADULTS	1	18.00		

* Only the initial capture weights of individuals are used in analysis

Table 2.3-130. Average weights for adult small mammals captured on grid C, pinyon-juniper (north slope), during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	3	160.33	185.33	7.86
FEMALE	4	163.75	416.92	10.21
ALL ADULTS	7	162.29	273.57	6.25
Eutamias minimus (least chipmunk)				
MALE	8	33.88	27.27	1.85
FEMALE	9	40.00	37.50	2.04
ALL ADULTS	17	37.12	40.61	1.55
Eutamias quadrivittatus (Colorado chipmunk)				
MALE	2	51.50	12.50	2.50
FEMALE	5	55.40	12.80	1.60
ALL ADULTS	7	54.29	14.24	1.43
Peromyscus maniculatus (deer mouse)				
MALE	11	19.27	5.62	0.71
FEMALE	15	21.27	21.64	1.20
ALL ADULTS	26	20.42	15.37	0.77
Peromyscus truei (pinon mouse)				
MALE	1	22.00		
FEMALE	1	23.00		
ALL ADULTS	2	22.50	0.50	0.50

* Only the initial capture weights of individuals are used in analysis

Table 2.3-131. Average weights for adult small mammals captured on grid C, pinyon-juniper (north slope), during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	16	150.13	582.92	6.04
FEMALE	7	142.57	224.95	5.67
ALL ADULTS	23	147.83	471.42	4.53
Eutamias minimus (least chipmunk)				
MALE	6	29.17	2.97	0.70
FEMALE	11	33.27	20.82	1.38
ALL ADULTS	17	31.82	18.03	1.03
Eutamias quadrivittatus (Colorado chipmunk)				
MALE	3	48.67	20.33	2.60
FEMALE	5	52.60	116.30	4.82
ALL ADULTS	8	51.13	76.41	3.09
Peromyscus maniculatus (deer mouse)				
MALE	10	18.90	18.54	1.36
FEMALE	6	22.50	9.50	1.26
ALL ADULTS	16	20.25	17.53	1.05
Peromyscus truei (pinon mouse)				
MALE	2	21.00	2.00	1.00
FEMALE	2	27.50	24.50	3.50
ALL ADULTS	4	24.25	22.92	2.39

* Only the initial capture weights of individuals are used in analysis

Table 2.3-132. Average weights for adult small mammals captured on grid D, sagebrush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	1	212.00		
FEMALE	2	204.00	1152.00	24.00
ALL ADULTS	3	206.67	597.33	14.11
Eutamias minimus (least chipmunk)				
MALE	20	33.15	10.56	0.73
FEMALE	15	44.20	68.03	2.13
ALL ADULTS	35	37.89	64.69	1.36
Peromyscus maniculatus (deer mouse)				
MALE	11	20.91	4.09	0.61
FEMALE	11	20.45	11.27	1.01
ALL ADULTS	22	20.68	7.37	0.58
Lagurus curtatus (sagebrush vole)				
MALE	1	17.00		
FEMALE	1	20.00		
ALL ADULTS	2	18.50	4.50	1.50

* Only the initial capture weights of individuals are used in analysis

Table 2.3-133. Average weights for adult small mammals captured on grid D, sagebrush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	7	175.71	411.57	7.67
FEMALE	10	184.10	1126.77	10.61
ALL ADULTS	17	180.65	806.24	6.89
Eutamias minimus (least chipmunk)				
MALE	7	32.00	18.67	1.63
FEMALE	7	33.86	27.48	1.98
ALL ADULTS	14	32.93	22.23	1.26
Peromyscus maniculatus (deer mouse)				
MALE	7	21.71	10.24	1.21
FEMALE	10	23.40	20.27	1.42
ALL ADULTS	17	22.71	15.97	0.97
Lagurus curtatus (sagebrush vole)				
MALE	0			
FEMALE	1	20.00		
ALL ADULTS	1	20.00		

* Only the initial capture weights of individuals are used in analysis

Table 2.3-134. Average weights for adult small mammals captured on grid E, mixed brush, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	1	116.00		
FEMALE	0			
ALL ADULTS	1	116.00		
Eutamias minimus (least chipmunk)				
MALE	23	31.22	4.81	0.46
FEMALE	25	33.72	5.13	0.45
ALL ADULTS	48	32.52	6.47	0.37
Peromyscus maniculatus (deer mouse)				
MALE	12	19.33	10.97	0.96
FEMALE	10	19.70	1.57	0.40
ALL ADULTS	22	19.50	6.45	0.54
Microtus longicaudus (long-tailed vole)				
MALE	2	23.50	60.50	5.50
FEMALE	0			
ALL ADULTS	2	23.50	60.50	5.50
Lagurus curtatus (sagebrush vole)				
MALE	1	17.00		
FEMALE	3	21.67	4.33	1.20
ALL ADULTS	4	20.50	8.33	1.44

* Only the initial capture weights of individuals are used in analysis

Table 2.3-135. Average weights for adult small mammals captured on grid E, mixed brush, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Spermophilus lateralis (golden-mantle grd. sqr.)				
MALE	4	169.25	630.92	12.56
FEMALE	5	147.00	338.50	8.23
ALL ADULTS	9	156.89	543.36	7.77
Eutamias minimus (least chipmunk)				
MALE	7	29.14	24.48	1.87
FEMALE	19	35.84	48.47	1.60
ALL ADULTS	26	34.04	49.96	1.39
Peromyscus maniculatus (deer mouse)				
MALE	10	18.60	12.04	1.10
FEMALE	13	23.62	35.76	1.66
ALL ADULTS	23	21.43	30.89	1.16
Microtus longicaudus (long-tailed vole)				
MALE	0			
FEMALE	1	29.00		
ALL ADULTS	1	29.00		
Lagurus curtatus (sagebrush vole)				
MALE	1	17.00		
FEMALE	1	22.00		
ALL ADULTS	2	19.50	12.50	2.50

* Only the initial capture weights of individuals are used in analysis

Table 2.3-136 Average weights for adult small mammals captured on grid F, Douglas fir, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	4	31.75	2.25	0.75
FEMALE	2	38.00	8.00	2.00
ALL ADULTS	6	33.83	13.37	1.49
Clethrionomys gapperi (red-backed vole)				
MALE	8	21.38	5.70	0.84
FEMALE	8	19.13	10.98	1.17
ALL ADULTS	16	20.25	9.13	0.76

* Only the initial capture weights of individuals are used in analysis

Table 2.3-137 Average weights for adult small mammals captured on grid F, Douglas fir, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	4	34.75	1.58	0.63
FEMALE	6	37.67	135.47	4.75
ALL ADULTS	10	36.50	78.06	2.79
Clethrionomys gapperi (red-backed vole)				
MALE	2	16.50	60.50	5.50
FEMALE	9	22.33	18.75	1.44
ALL ADULTS	11	21.27	26.62	1.56

* Only the initial capture weights of individuals are used in analysis

Table 2.3-138 Average weights for adult small mammals captured on grid G, aspen, during sample period 3, May 18-26, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	5	35.20	22.70	2.13
FEMALE	9	36.44	6.28	0.84
ALL ADULTS	14	36.00	11.23	0.90
Peromyscus maniculatus (deer mouse)				
MALE	0			
FEMALE	1	20.00		
ALL ADULTS	1	20.00		
Clethrionomys gapperi (red-backed vole)				
MALE	7	17.71	6.90	0.99
FEMALE	9	18.11	12.86	1.20
ALL ADULTS	16	17.94	9.66	0.78

* Only the initial capture weights of individuals are used in analysis

Table 2.3-139 Average weights for adult small mammals captured on grid G, aspen, during sample period 4, July 25-30, 1975, for RBOSP

Species	Sample Size*	Average (gm)	Variance	Standard Error
Eutamias minimus (least chipmunk)				
MALE	0			
FEMALE	3	45.00	3.00	1.00
ALL ADULTS	3	45.00	3.00	1.00
Peromyscus maniculatus (deer mouse)				
MALE	1	15.00		
FEMALE	0			
ALL ADULTS	1	15.00		
Clethrionomys gapperi (red-backed vole)				
MALE	4	18.50	19.00	2.18
FEMALE	8	25.13	39.84	2.23
ALL ADULTS	12	22.92	41.17	1.85

* Only the initial capture weights of individuals are used in analysis

The deer mouse (Peromyscus maniculatus), represented on all grids except the one in Douglas fir during July, was the only other small mammal species captured on grid 1, bottomland meadow, in sample period 4. Based on the number of different individuals captured, this species comprised 80 percent of the total sample.

2.3.3.3.1.2. Sagebrush (Grid 2)

This grid, located on 84 mesa, exhibited the second highest species diversity value (1.047) of the small grids and the highest total abundance figure (20.61 individuals/100 trap nights) for all grids. Four species were captured on the grid during July, including one, the thirteen-lined ground squirrel (Spermophilus tridecemlineatus) unique to this trapping grid in all samples to date. Armstrong (1972) indicated that this species as well as the Apache pocket mouse (Perognathus apache), encountered here and on one other grid in July, prefer sandy loamy soils which appear to be characteristic of 84 mesa.

Typically, the least chipmunk (Eutamias minimus) and the deer mouse were the predominant species found on this sagebrush grid accounting for 58.8 and 20.6 percent of the total sample, respectively.

2.3.3.3.1.3 Rabbitbrush (Grid 3)

Three species were encountered on this grid in July. Total abundance (12.73 individuals/100 trap nights) was moderately high and species diversity (0.619) was low. The latter was due to the predominance of the deer mouse which accounted for 81 percent of the total abundance. In fact, the deer mouse was more abundant in rabbitbrush (10.30 individuals/100 trap nights) than in any other type sampled during July.

2.3.3.3.1.4 Pinyon-Juniper/Mixed Brush (Grid 4)

Both total abundance (13.33 individuals/100 trap nights) and species diversity (1.038) were moderately high on this grid in July. The least chipmunk was the most abundant of the three species encountered (6.67 individuals/100 trap nights) with the golden-mantled ground squirrel (Spermophilus lateralis) and the deer mouse present in approximately equal numbers.

2.3.3.3.1.5 Mixed Brush (Grid 5)

Only 2 species, the least chipmunk and the deer mouse were captured on the grid in July. As a result species diversity was low (0.683) and total abundance was only 8.48 individuals/100 trap nights. The deer mouse was more commonly encountered accounting for 57.1 percent of the total abundance.

2.3.3.3.1.6. Pinyon-Juniper/ Sagebrush (Grid 6)

This grid, represented by four species, exhibited the highest species diversity value of the small grids (1.133). Total abundance was also quite high (15.15 individuals/ 100 trap nights) and was exceeded only by the bottomland meadow grid and Grid B, pinyon-juniper south slope, in July. The deer mouse accounted for 52 percent of the total abundance while the golden-mantled ground squirrel and the least chipmunk, present in approximately equal numbers, made up 44 percent of the total. A single Apache pocket mouse was also captured.

2.3.3.3.1.7. Upland Meadow (Grid 7)

Lack of cover is probably the greatest contributing factor to the very low species diversity (0.520) and low abundance (8.48 individuals/ 100 trap nights) exhibited by this grid. Only two species were encountered, the deer mouse and the least chipmunk, with the former accounting for 78.6 percent of the total abundance.

2.3.3.3.1.8. Greasewood-Sagebrush (Grid A)

The presence of only four species coupled with the predominance of least chipmunk and deer mouse species (33.3 and 51.2 percent of the total abundance, respectively) resulted in the lowest diversity value (1.040) of any of the large 7.29 ha grids. Total abundance was moderately high (12.63 individuals/ 100 trap nights). However, the grid was responsible for one of only two captures of the long-tailed vole (Microtus longicaudus) during the July sampling period.

2.3.3.3.1.9. Pinyon-Juniper (south slope) (Grid B)

The additional tree stratum, by providing more food and potential nesting sites, probably resulted in the presence of three species on this grid, the Colorado chipmunk (Eutamias quadrivittatus), the piñon mouse (Peromyscus truei) and the bushy-tailed woodrat (Neotoma cinerea) not generally found in other habitat types in the area. The additional three species and the lack of predominance by any of the seven species encountered resulted in the highest species diversity value (1.634) of any of the large grids. Total abundance of 16.09 individuals/ 100 trap nights was the second highest of any grid sampled during July.

While small mammals may utilize pinyon nuts and juniper berries for food, particularly during winter (Douglas, 1969) the most significant contribution of pinyon-juniper trees to small mammal inhabitation is in the form of potential nesting sites. Both the piñon mouse and the bushy-tailed woodrat use pinyon and juniper trees extensively for nesting within this habitat type. Also, most of the other species encountered during trapping, particularly the Colorado chipmunk, were observed retreating to trees and old deadfalls upon their release after capture.

2.3.3.3.1.10. Pinyon-Juniper (north slope) (Grid C)

As expected, this grid also exhibited a high species diversity value (1.477) for July. The presence of one less species and the predominance of the golden-mantled ground squirrel and the least chipmunk (30.9 and 33.0 percent relative abundance, respectively) resulted in a diversity value slightly lower than that for Grid B (Pinyon-Juniper/ South Slope). Total small mammal abundance (14.59 individuals/ 100 trap nights) was also quite high.

2.3.3.3.1.11. Sagebrush (Grid D)

As a result of the nearly equal distribution of individuals among three of the species captured on Grid D, species diversity (1.165) was moderately high. Total abundance (7.97 individuals/ 100 trap nights) was very low, however. This is uncharacteristic for sagebrush type communities in the area and could relate to a number of factors on a microhabitat scale, such as quality and quantity of the food supply and availability of nesting sites. Alternatively, an increase in natural food supplies in July could have reduced the attractiveness of the trap bait and therefore trap success.

In addition to the golden-mantled ground squirrel, least chipmunk, and deer mouse species encountered, a single individual of the sagebrush vole (Lagurus curtatus) was captured. This species was observed in only one other grid in July (Grid E, Mixed Brush). Both Armstrong (1972) and Larrison and Johnson (1973) indicate that the sagebrush vole is generally limited to stands of sagebrush mixed with other shrubs up to 9000 ft.

2.3.3.3.1.12. Mixed Brush (Grid E)

Both species diversity (1.137) and total abundance (11.13 individuals/ 100 trap nights) were moderately high on Grid E. Five species were encountered, including the long-tailed and sagebrush vole. The least chipmunk was the most abundant species (45.9 percent relative abundance) while the deer mouse and the golden-mantled ground squirrel exhibited relative abundance values of 37.8 and 12.2 percent, respectively.

2.3.3.3.1.13. Douglas Fir (Grid F)

Only two species were encountered on Grid F in July resulting in a very low species diversity value (0.693). Furthermore, total abundance (3.31 individuals/ 100 trap nights) was the lowest of all grids sampled. The harsher environment and shorter growing season at the higher elevation (8200 ft) together with the homogeneity of the habitat type may partly account for the low species diversity and abundance values.

The two species captured, the least chipmunk and the red-backed vole (Clethrionomys gapperi) were present in equal numbers. In contrast to the ubiquitous nature of the least chipmunk in the Piceance Basin, the red-backed vole has specialized habitat requirements. Warren (1942) reported that this vole rarely occurs below 8000 ft. elevation and Armstrong (1972) stated that this boreal forest species is usually confined to well developed coniferous zones from 8000 to 11000 ft. in Colorado.

2.3.3.3.1.14 Aspen (Grid G)

Although an additional species, the deer mouse was trapped in Aspen, the predominance of the red-backed vole (80 percent of the total abundance) resulted in a lower species diversity value (0.613) than that for Douglas fir. Total abundance (6.56 individuals/100 trap nights) was relatively low; again probably reflecting the constraint of the high elevation (8100 ft) on increase in small mammal population size.

2.3.3.3.2 Laboratory Analysis of Reproductive Effort

Analysis of small mammal reproductive effort was conducted on seventeen adult females of three predominant species captured during the July 1975 small mammal trapping period; three long-tailed voles (Microtus longicaudus), two least chipmunks (Eutamias minimus) and twelve deer mice (Peromyscus maniculatus) were captured in six major vegetation types and analyzed for reproductive effort. Corpora albicantia were counted to verify litter sizes in cases where resorption of embryos was suspected. Results are given in Table 2.3-140.

The low capture success during this mid-summer sampling period is probably due to an increased natural food supply evidenced during field sampling by a lush herbaceous understory with many fruiting plants in most vegetation types sampled. As the natural food supply increases it is usually more difficult to attract animals to baited traps. Additional traps did not noticeably affect trap success.

Fifteen (88 percent) of the seventeen females examined contained embryos or recent placental scars and were classified as reproductively active. Placental scars were present in six (35 percent) of the females examined; four of these females were lactating. Only 45 percent of the females examined in May were reproductively active, i.e., contained placental scars, were lactating or were pregnant. Three long-tailed voles examined from the aspen (north slope/8400 ft) vegetation type were all pregnant, and average number of embryos found was five. Reproductively active females were not captured in this vegetation type in May.

Eleven (73 percent) of the fifteen reproductively active females captured during July were deer mice. Deer mice embryos from both May and July sample periods averaged five. Five deer mice from the lower elevations (below 7000 ft) exhibited placental scars; one

Table 2.3-140 Reproductive status of adult female Peromyscus maniculatus, Eutamias minimus and Microtus longicaudus captured during July 1975 for RBOSP

Species	Habitat	Reproductive Status		Comments [1]
		Inactive	Active	
Microtus longicaudus	aspen (north slope/8400')		x	4 embryos, 3R 1L
M. longicaudus	aspen (north slope/8400')		x	6 embryos, 2R 4L
M. longicaudus	aspen (north slope/8400')		x	5 embryos, 3R 2L
Peromyscus maniculatus	pinyon-juniper (south slope/6700')		x	7 placental scars 4R 3L, lactating
P. maniculatus	pinyon-juniper (south slope/6700')		x	6 placental scars, 3R 3L, lactating
Eutamias minimus	pinyon-juniper (south slope/6700')		x	7 placental scars, 4R 3L, lactating
P. maniculatus	pinyon-juniper (north slope/6900')		x	6 placental scars, 3R 3L, lactating
P. maniculatus	pinyon-juniper (north slope/6900')	x		
P. maniculatus	greasewood-sagebrush (flat/6200')		x	6 embryos, 3R 3L, 5 placenta scars, 2R 3L
P. maniculatus	greasewood-sagebrush (flat/6200')		x	5 embryos, 2R 3L
P. maniculatus	greasewood-sagebrush (flat/6200')		x	6 placental scars, 3R 3L
P. maniculatus	greasewood-sagebrush (flat/6200')		x	8 embryos, 4R 4L
P. maniculatus	greasewood-sagebrush (flat/6200')		x	5 embryos, 3R 2L
P. maniculatus	mixed-brush (south slope/8200')		x	4 embryos, 2R 2L
P. maniculatus	mixed-brush (south slope/8200')		x	5 embryos, 3R 2L
P. maniculatus	mixed-brush (south slope/8200')		x	5 embryos, 3R 2L
E. minimus	mixed-brush (south slope/8200')	x		

---

[1] "R" and "L" refer to the right and left side of the uterus.

female from greasewood-sagebrush (flat/6200 ft) exhibited both embryos and placental scars, indicating that this was its second litter this season. None of the females examined from above 8000 ft elevation exhibited placental scars. This may be an indication of later reproductive activity for animals above 8000 ft elevation.

2.3.3.3.3 Laboratory Analysis of Stomach Contents

During the July 1975 small mammal sampling period twenty-two animals were collected and prepared for analysis of stomach content. Results of this analysis are summarized in Tables 2.3-141 through 2.3-146. Fifteen deer mice (Peromyscus maniculatus), two least chipmunks (Eutamias minimus) and five long-tailed voles (Microtus longicaudus) were captured during July 1975 sampling and analyzed in the laboratory for stomach content.

The low capture success during this mid-summer sampling period is probably due to an increased natural food supply evidenced during field sampling by a lush herbaceous understory with many fruiting plants in most vegetation types sampled. As the natural food supply increases it is usually more difficult to attract animals to baited traps. Additional traps did not noticeably affect trap success.

Mice of the genus Peromyscus are known to eat a wide variety of foods, and to be highly opportunistic in selection of these foods. In the spring, tender sprouting herbaceous vegetation may assume importance in deer mice diets, but these succulent plants are available for only a brief period during early spring (Douglas, 1969). As the warm season progresses these tender young sprouts become less available at the same time that recently matured seeds are becoming increasingly available.

Accordingly, small mammals captured at sample sites below 7000 ft elevation utilized seeds more extensively during July than they had during the previous (May) sampling period. Deer mice captured in pinyon-juniper (north slope/6900 ft) utilized seeds exclusively (100 percent stomach contents) while deer mice captured in pinyon-juniper (south slope/6700 ft) utilized seeds to a lesser extent during the same sample period (79 percent of their stomach contents). The percentage of seeds in the stomachs of deer mice analyzed from pinyon-juniper south slope rose from 66 percent in May to 79 percent in July. The stomachs of deer mice collected from greasewood-sagebrush (flat/6200 ft) contained nearly 98 percent seed in July as compared to 85 percent seed in May. In mixed brush (south slope/8200 ft) stomach content percentages for seed rose from 57 percent in May to 74 percent seed in July for deer mice. Only one deer mouse was captured in sagebrush (flat/7200 ft); its stomach contents were 94 percent seed.

Table 2.3-141 Percent diet composition for _Microtus longicaudus_ captured in aspen (north slope/8400 ft) July 26-29, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Microtus longicaudus	0	100	0	0
Microtus longicaudus	20	80	0	0
Microtus longicaudus	6	94	0	0
Microtus longicaudus	4	96	0	0
Microtus longicaudus	0	100	0	0
Total Percent Frequency for 5 Individuals	6%	94%	0%	0%

Table 2.3-142 Percent diet composition for Peromyscus maniculatus and Eutamias minimus captured in mixed brush (south slope/8200 ft) July 26-29, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Peromyscus maniculatus	94	6	0	0
Peromyscus maniculatus	8	88	0	4
Peromyscus maniculatus	96	0	0	4
Peromyscus maniculatus	80	0	8	12
Peromyscus maniculatus	94	6	0	0
Total Percent Frequency for 5 Individuals	74.4%	20.0%	1.6%	4.0%
Eutamias minimus	98.0%	2.0%	0.0%	0.0%

Table 2.3-143 Percent diet composition for Peromyscus maniculatus and Eutamias minimus captured in pinyon-juniper (south slope/6700 ft) July 27-30, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Peromyscus maniculatus	100	0	0	0
Peromyscus maniculatus	58	42	0	0
Total Percent Frequency for 2 Individuals	79%	21%	0%	0%
Eutamias minimus	100%	0%	0%	0%

Table 2.3-144 Percent diet composition for Peromyscus maniculatus captured in pinyon-juniper (north slope/6900 ft) July 26-29, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Peromyscus maniculatus	100	0	0	0
Peromyscus maniculatus	100	0	0	0
Total Percent Frequency for 2 Individuals	100%	0%	0%	0%

Table 2.3-145 Percent diet composition for _Peromyscus maniculatus_ captured in sagebrush (flat/7200 ft) July 28-31, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Peromyscus maniculatus	94%	4%	0%	2%

Table 2.3-146 Percent diet composition for *Peromyscus maniculatus* captured in greasewood/sagebrush (flat/6200') July 27-30, 1975 for RBOSP

Species	Seed	Succulent	Vertebrate	Invertebrate
Peromyscus maniculatus	94	6	0	0
Peromyscus maniculatus	100	0	0	0
Peromyscus maniculatus	100	0	0	0
Peromyscus maniculatus	100	0	0	0
Peromyscus maniculatus	94	4	0	2
Total Percent Frequency for 5 Individuals	97.6%	2.0%	0.0%	0.4%

Long-tailed vole stomach contents examined from Aspen (north slope/ 8400 ft.) contained 94 percent succulent plant material and 6 percent seed in July. This contrasts with May data showing long-tailed voles with 96 percent seed and only 25 percent succulent plant material.

This rather drastic decrease in the use of seeds as a food source during July as compared to May is probably due to the persistent snow in early spring which limited other food resources such as succulent vegetation. By July, as the result of the snow melt, new and abundant herbaceous plants became available at these higher elevations and probably replaced seeds as a major food source for the long-tailed vole. Voles of the genus Microtus demonstrate a definite preference for herbaceous vegetation and take advantage of it when available (Rieve, 1973). Four of the five long-tailed vole stomachs examined contained over 97 percent succulent material. Food preferences and seasonal changes in food habits will become more apparent as more data are accumulated.

2.3.3.3.4. Collection of Voucher Sepcimens

No new species were added to the Voucher specimen collection during the reporting quarter June through August, 1975.

2.3.3.3.5. Pitfall Trapping

Thirteen pitfall trapping stations were repaired and operated during late July, 1975, for four consecutive days. The bottomland meadow pitfall trap was closed one day early because haying was to begin the following day. An additional pitfall trap was established in the aspen habitat, which was not sampled during May, 1975, because of excessive snow. Ten individual small mammals representing three species were captured at five different pitfall locations. The sagebrush (flat/ 6500 ft.) and rabbitbrush (flat/6800 ft.) pitfall traps were the most successful, capturing three Apache pocket mice (Perognathus apache) and three deer mice (Peromyscus maniculatus). Two deer mice were also captured in pitfall traps located in sagebrush (north slope, 7100 ft.). Two long-tailed voles (Microtus longicaudus) were taken in pitfall traps located in both aspen (north slope, 8400 ft.) and mixed brush (south slope, 8400 ft.) habitats.

2.3.3.3.6. Night Spotlight Census

Night spotlight censuses were conducted on June 22 and 25, 1975. This method of censusing nocturnally active animals, especially lagomorphs, has proven valuable in short-grass plains situations but encounters visibility problems in the Piceance Basin due to the dense vegetation and varied topography. The method used by ECI helps to account for this obscured visibility. The results of the night spotlight censuses conducted this quarter are presented in Table 2.3-147).

Table 2.3-147 Results of the night spotlight censuses conducted on June 22 and 25, 1975 for RBOSP

Species	Number Sighted	Hectares Covered	Population Estimate/ Hectare
Cottontail (*Sylvilagus* sp.)	4	120.4	0.03
White-tailed jackrabbit (*Lepus townsendii*)	4	120.4	0.03
Porcupine (*Erethizon dorsatum*)	2	120.4	0.02

The presence of at least three species of lagomorphs have been documented to date on or near Tract C-a. The white-tailed jackrabbit (Lepus townsendii) and the black-tailed jackrabbit (L. californicus) were easily identified by field observation but the cottontail (Sylvilagus sp.) is much more difficult to distinguish to species. A specimen was collected by ECI personnel and identified by Dr. Robert B. Finley of the National Fish and Wildlife Laboratory as a Nuttall's cottontail (Sylvilagus nuttallii). However, it is possible that more than one species of cottontail resides in the study area. Two lagomorph species (cottontail and white-tailed jackrabbit) and the porcupine (Erethizon dorsatum) were observed during night spotlight censuses conducted this quarter (Table 2.3-147).

Lagomorph population estimates and general field observations during the summer quarter seem to indicate an increase in lagomorph population. However, so few individuals were observed that it is difficult to formulate any firm conclusions relative to population numbers at this time.

2.3.3.3.7 Bat Investigations

Mist netting for bats took place on four consecutive nights in June and on four consecutive nights in August, 1975. At three locations nets were placed over stock tanks, two of which were stiuated in bottomland sagebrush habitats while the other was on Cathedral Bluffs at a spring near mixed brush and aspen stands. Another net was placed over a small pond below the Stake Springs and near abandoned cabins. This pond was surrounded by a dense stand of rabbitbrush.

In June, the long-eared myotis (Myotis evotis) and the small-footed myotis (M. leibii) were captured at the two stock ponds in bottomland sagebrush habitats.

In August four species of myotis were captured at one of the same stock tanks sampled in bottomland sagebrush in June. In addition to the two previously mentioned bat species, the California myotis (Myotis californicus) and as yet unidentified myotis (Myotis sp.) were netted during August sampling. Also during the August sampling, a hoary bat (Lasiurus cinereus) and a small-footed myotis were captured at a small pond below the Stake Springs pond.

One night during August sampling a net was placed over a stock tank on Cathedral Bluffs where larger bats were seen flying. However, no bats were captured.

Bats were not recorded during daytime searches of rock crevices, old buildings and rock overhangings.

2.3.3.4 Summary and Conclusions

A total of 580 individuals representing 12 species were captured during July small mammal live trapping operations. Grid 2, sagebrush, had the highest capture success during this period accounting for 13.2 percent of the total individuals of all species trapped per 100 trap nights (Table 2.3-88). The small Grid 6, pinyon-juniper sagebrush, and large Grids B, pinyon-juniper (south slope) and C, pinyon-juniper (north slope) also exhibited high capture success.

The most species encountered on any one grid occurred on Grid B where seven were captured. This and the lack of predominance by any one species resulted in the highest species diversity value (1.634) recorded for any of the large grids. The increase in number of potential nesting site and refuge areas afforded by the additional tree stratum in pinyon-juniper types probably resulted in the addition of three small mammal species, Colorado chipmunk (*Eutamias quadrivittatus*), piñon mouse (*Peromyscus truei*) and bushy-tail woodrat (*Neotoma cinerea*) not generally found in other habitat types in the area. Consequently, the grids located in the pinyon-juniper types had among the highest species diversity indices recorded for the large and small grids, respectively (Table 2.3-111).

The deer mouse (*Peromyscus maniculatus*) was the most commonly encountered small mammal species during July trapping efforts accounting for 39.6 percent of the total captures. It was represented in grid samples from all habitat types except Douglas fir. The least chipmunk (*E. minimus*) was also captured on all grids except one, (Grid 1, bottomland meadow) and this species accounted for 34.2 percent of the total captures. The golden mantle ground squirrel (*Spermophilus lateralis*), though not as frequently encountered, was observed in a wide variety of habitat types. The Colorado chipmunk, piñon mouse and bushy-tail woodrat were generally limited to pinyon-juniper woodlands. Sagebrush vole (*Lagurus curtatus*) captures were restricted to sagebrush and mixed brush communities while both the montane (*Microtus montanus*) and long tail voles (*M. longicaudus*) were captured in two seemingly different habitat types. The red backed vole (*Clethrionomys gapperi*) was observed only on grids established in the aspen and Douglas fir communities. The thirteen-lined ground squirrel (*S. tridecemlineatus*) and the Apache pocket mouse (*Perognathus apache*) were both found in association with loose soils with the former species being captured only at one location, Grid 2 on 84 Mesa.

Excluding the winter sample, the July sampling experienced the lowest capture success of all small mammal trapping operations to date (Table 2.3-88). The low small mammal population abundance for July may be explained by 1) the population levels are in fact low resulting from a combination of factors which might include high

natural mortality, and a normally late or delayed breeding period; low population levels and high mortality are indicated by the Jolly-Seber population size estimates given for selected species in Tables 2.3-89 through 2.3-106 and/or 2) an abundant food supply at this time of the year may have resulted in fewer animals being attracted to non-natural baits.

- Although abundance was low during sample period 4 relative to other warm weather sample periods, small mammal species diversity was generally higher over all grids during the July sampling efforts. The increase in trapping success of the golden-mantled ground squirrel relative to decrease in other small mammal species effecting a more equitable distribution of individuals among species no doubt resulted in the higher species diversity values. In fact, of the nine grids in which the golden-mantled ground squirrel was represented in both May and July samples the average trapping success was 0.92 and 2.68 individuals per 100 trap nights per grid, respectively. As a result, eight of these nine grids showed an increase in species diversity in July. The golden-mantled ground squirrel was only captured twice during October.

No particular relationships between habitat type and average species weight are as yet evident from the results presented in Tables 2.3-112 to 2.3-139. However, weights do appear to be somewhat lower in sample period 4 than in sample period 3 for most species. However, this may reflect the inclusion of newly-turned-adults into July weight samples rather than any real difference between adult weights for the respective sampling periods.

Seventeen adult females of three predominant species (least chipmunk deer mouse and long-tailed vole) were collected from 6 major vegetation types during July and analyzed for reproductive effort. Fifteen of the 17 females (88 percent) contained embryos or placental scars and were classified as reproductively active. Only 45 percent of the females examined in May were reproductively active. The increased reproductive effort together with the low population levels (Tables 2.3-89 through 2.3-106) and few juveniles in the population (Tables 2.3-34 to 2.3-87) during July suggests that the major recruitment of young into the active small mammal population occurs in late summer.

Twenty-two animals of the above three species were also collected during July for analysis of stomach contents. While the deer mouse revealed an increased utilization of seeds as a food item from May samples the long-tailed vole showed a higher percentage of succulent vegetation parts in its diet. This is probably indicative of the increased availability of a preferred food for both species during

July. The small number of least chipmunks collected for stomach analysis precludes definite conclusions concerning their food habits at this time.

Ten individuals of three species were collected in thirteen pitfall trapping stations operating for 4 days during July, 1975. All species captured, deer mouse, Apache pocket mouse, and the long-tailed vole, had previously been documented by live trapping efforts.

Two lagomorph species (*Lepus townsendii* and *Sylvilagus* sp.) and the procupine (*Erethizon dorsatum*) were observed during night spotlight censuses conducted in June. Although lagomorph population levels seemed to increase slightly during the summer as indicated by the census results and general field observations, the data are insufficient to permit formulation of definite conclusions at this time.

Five species of bats were documented by mist netting during June and August, 1975. The long-eared myotis (*Myotis evotis*) and the small-footed myotis (*M. leibii*) were captured in June while the California myotis (*M. californicus*), the hoary bat (*Lasiurus cinereus*) and an as yet unidentified *Myotis* were added to the collection in August.

2.3.3.5--SMALL MAMMALS RAW DATA

2.3.3.5--SMALL MAMMALS RAW DATA

File No: 13.C.3.1.2.1-18

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Name [illegible] Grid 1 Sample Period July 75 Trap Night 1

time traps set 0900, 25 July Date, time traps checked 1400, 26 July

) clip # used on previous day 0014 Field Analyst(s) McCamie/[illegible]

ct RBOSP - 83 Bag wt = 12 gm QA Check PMM 8/1

Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
THTA	4000	F	J	96	I	
PEMA	0150N	F	A	18	I	

onomic characters, physical condition of animal, etc.

File No: 83.C.3.1.2.1-19

1002

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

id Name Bottomland Meadows Grid 1 Sample Period July 75 Trap Night 2

te, time traps set 0900 - 25 July 75 Date, time traps checked 0900 - 27 July 75

toe clip # used on 7/26 1400 previous day 0150 Field Analyst(s) McGuire / Aronson

oject RBOSP-83 QA Check RBM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-8	PEMA	0210N	M	A	19	A	
-4	PEMA	0220N	M	A	20	A	

ey taxonomic characters, physical condition of animal, etc.

File No:

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

rid Name Bottomland Meadow Grid 1 Sample Period July 75 Trap Night 2

ate, time traps set 0900 - 25 July 75 Date, time traps checked 0900 - 27 July 75

t toe clip # used on previous day 7/26 1400 0014 Field Analyst(s) McGuire/Aronson

roject RBOSP-83 QA Check ROM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
	no captures						

Key taxonomic characters, physical condition of animal, etc.

ECI

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SMALL MAMMAL LIVE TRAPPING DATA

                    PROJECT 5
                    DATA ENTERED ONTO TAPE BY [illegible] SEIBERT

SITE--BOTTOMLAND MEADOW          GRID 1     SAMP. PERIOD-- [illegible]
PAGE-- 2     DATE--7/21/78
COLLECTED BY MCGUIRE/HANSON
--------------------------------------------------------------------------------------
 CAPTURE    SPECIES   CODE      TOECLIP    SEX    AGE       WEIGHT     REP.
 LOCATION              #           #              CLASS      (GM)      STAT
--------------------------------------------------------------------------------------

 I-- 2       PEMA      5        [illegible]  [illegible]  A     19        A
 I-- 4       PEMA      5        [illegible]  M      A         20        A
```

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                    SMALL MAMMAL LIVE TRAP DATA

                              PROJECT [illegible]
                              DATA ENTERED ON [illegible] BY [illegible]

VEG. TYPE- [illegible]                    GRID-1     [illegible]
TRAP NIGHT [illegible]       DATE [illegible]
DATA COLLECTED BY [illegible]

      CAPTURE     SPECIES    PAGE      TOECLIP     SEX    AGE      WEIGHT     REPRO
  #   LOCATION                 #          #               CLASS     (G)       STAT

  [illegible]                [illegible]  [illegible]  [illegible]  F   [illegible]  ~~[illegible]~~ a   I
  [illegible]                [illegible]  [illegible]  [illegible]  M   [illegible]  [illegible]   A
```

File No: 83.C.5.1.2.3-

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name ~~Foothill sage~~ Sagebrush Grid 2 Sample Period JULY 75 Trap Night 1

Date, time traps set 26 July (1800) Date, time traps checked 27 Jul, (0600)

st toe clip # used on previous day 0033 Field Analyst(s) [illegible]

Project 83 QA Check RBM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-2	PEMA	0034N	F	A	26	A	lactating
C-9	[illegible]	0030	F	A	38	I	—
B-5	PEAP	0041N	M	U	13	I	—
A-2	PEMA	0035N	M	A	21	I	—

*Key taxonomic characters, physical condition of animal, etc.

ECI

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 85
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] GRID-2 SAMPL PERIOD- [illegible]
[illegible]
[illegible]

#	CAPTURE LOCATION		SPECIES	COL #	TOE CLIP #	SEX	AGE CLASS	WEIGHT (GMS)	REPR STAT
1	[illegible]	[illegible]	PEMA	5	34	F	[illegible]	20	[illegible]
2	A-	[illegible]	PEMA	5	35	M	[illegible]	21	1
3	C-	9	PEMA	[illegible]	38	F	[illegible]	26	1
4	E-	5	PEMA	11	31	M	[illegible]	12	1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name ~~[illegible]~~ Sagebrush Grid #2 Sample Period July 75 Trap Night 2

ate, time traps set (0800) 27 July Date, time traps checked (0800) 28 July

a toe clip # used on previous day 0041 Field Analyst(s) [illegible]

roject 53 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
1	EUMI	0005	M	A	33	I	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36	I	—
[illegible]	EUMI	[illegible]	M	A	33	I	—
[illegible]	EUMI	0019	F	A	11	D	—
7	SPTR	0021	M	A	78	I	—
[illegible]	PEMA	0033	F	A	11	D	—
[illegible]	PEMA	0025	M	A	17	I	—
-5	SPTR	0052N	M	J	48	I	—
-4	SPTR	0053N	F	J	49	I	—
-1	EUMI	0042N	M	J	29	I	—
[illegible]	[illegible]	[illegible] N	M	J	28	I	
[illegible]	[illegible]	[illegible]	F	A	[illegible]	A	[illegible]
[illegible]	[illegible]	[illegible]N	M	A	30	U	—
[illegible]	[illegible]	[illegible]	M	A	[illegible]	I	[illegible]
[illegible]	[illegible]	[illegible]	F	A	[illegible]	I	—

Key taxonomic characters, physical condition of animal, etc.

ECI

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                         SMALL MAMMAL LIVE TRAPPING DATA

                               PROJECT [illegible]
                               DATA [illegible] ONTO TAPE BY TOM SEIBERT

VEG. TYPE- SAGEBRUSH                GRID- [illegible]     SAMP. PERIOD-  4
TRAP NIGHT-  3     DATE- 7 29/75
DATA COLLECTED BY [illegible]

--------------------------------------------------------------------------------

         CAPTURE    SPECIES   GRID        TOE CLIP     SEX    AGE       WEIGHT     REPRO
  #      LOCATION              #            #                 CLASS      (GM)      STAT
--------------------------------------------------------------------------------

  1      C-   1      EUMI      3             5          M      A          35          I
  2      C-   2      EUMI      3            43          F      A          36          I
  3      C-   3      EUMI      3            45          M      A          30          I
  4      C-   4      EUMI      3            10          [illegible]  [illegible]  U    U
  5      A-   1      EUMI      3            42          [illegible]  [illegible]  [illegible]  I
  6      A-   3      EUMI      3            44          M      [illegible]  18      I
  7      A-   8      EUMI      3            51          M      [illegible]  10      I
  8      A-  12      EUMI      3           100          M      A          37          I
  9      B-   7      EUMI      3            30          F      [illegible]  36      I
 10      C-   7      SPTR      2            21          M      [illegible]  78      I
 11      B-   5      SPTR      2            52          M      [illegible]  42      I
 12      B-   4      SPTR      2            59          F      [illegible]  49      I
 13      A-  10      PEMA      5            33          [illegible]  [illegible]  U    U
 14      B-   9      PEMA      5            35          M      A          [illegible]  I
 15      A-   6      PEMA      5            34          F      [illegible]  [illegible]  A
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              [illegible] MAMMAL LIVE TRAPPING DATA

                             PROJECT [illegible]
                             DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] TYPE- [illegible]                GRID- [illegible]    SAMPL PERIOD- 4
[illegible] NIGHT [illegible]        DATE [illegible] 29 75
DATA CODE [illegible]  [illegible]  SHEET [illegible]  [illegible]

----------------------------------------------------------------------

     [illegible]       SPECIES    TAG      TOE CLIP    SEX    AGE      WEIGHT   REPRO
     [illegible]                   #          #              CLASS     (GM)     STAT
----------------------------------------------------------------------

 1   [illegible]      [illegible]  [illegible]   5       F   [illegible]   25      I
 2   C-  7            [illegible]  [illegible]  13       F      A          36      I
 3   C-  4            D[illegible] [illegible]  45       M      A          30      I
 4   C-  [illegible]  D.MA          3           10       F      A           6      D
 5   A-  [illegible]  D.MA          3           47       M      J          15      I
 6   A-  [illegible]  D.MA          3           14       M      J          18      I
 7   A-  8            D.[illegible] 3           51       M   [illegible]   16      I
 8   A- 12            D.MA          3          108       M      A          37      I
 9   B-  [illegible]  D.MA          3           50       F   [illegible]   30      I
10   C-  7            SPTR          5           21       M      J          70      I
11   D-  5            SPTR          5           52       M      J          42      I
12   D-  [illegible]  SPTR          5           59       F      J          49   [illegible]
13   [illegible] 16   PAMA          5           53       F      A           6   [illegible]
14   B-  [illegible]  PAMA          5           55       M      A    [illegible] [illegible]
15   [illegible] 6    [illegible]   5           34       F      A    [illegible] [illegible]
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File No: 83C3.7.2.9-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Sagebrush

Grid Name [illegible] Grid 2 Sample Period [illegible] Trap Night 3

Date, time traps set [illegible] Date, time traps checked [illegible]

Last toe clip # used on previous day 0053 Field Analyst(s) [illegible]

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
[illegible]-1	PEMA	0054 N	M	J	10	I	—
[illegible]-2	EUMI	0022	F	A	32	A	[illegible]
[illegible]	[illegible]	0055 N	F	A	51	I	
[illegible]	PEMA	0025	M	A	17	I	—
[illegible]	SPTR	0053	F	U	44	I	
C-7	EUMI	0100	M	A	21	-	—
C-3	EUMI	[illegible]	F	A	[illegible]	I	—
B-9	SPTR	0105 N	F	A	94	I	—
[illegible]	EUMI	0021 N	F	A	23	I	—
[illegible]	SPTR	0052	M	U	46	I	
[illegible]	[illegible]	0038	F	A	33	A	lactating
A-1	EUMI	0040	F	A	34	U	
A-[illegible]	EUMI	0044	M	J	27	I	—
A-3	EUMI	0045	M	A	30	I	—
A-5	EUMI	0101 N	F	A	36	I	—
A-7	EUMI	0051	M	A	29	I	
A-9	EUMI	0032	M	A	[illegible]	I	—
A-10	PEMA	0103 N	M	J	16	I	
A-11	EUMI	0104 N	M	A	23	I	—
A-12	EUMI	0030	F	A	35	I	
B-5	SPTR	0021	M	A	76	I	

*Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT 8[illegible]
                                   DATA ENTERED [illegible]

VEG. TYPE -SAGEBRUSH                      GRID-2     SAMPL. PERIOD-  1
TRAP NIGHT-   3     DATE- [illegible]
DATA COLLECTED BY SANZ - [illegible]
-----------------------------------------------------------------------------

      CAPTURE   SPECIES   I.D.        TOE CLIP   SEX    AGE      WEIGHT    REPRO
  #   LOCATION             #             #              CLASS     (GM)     STAT
-----------------------------------------------------------------------------

  1     C-  1     PEMA      5        [illegible]  M      J         10        I
  2     C-  4     PEMA      5           35        M  [illegible]   17        I
  3     [illegible]- 4  PEMA  5   [illegible]     F      A     [illegible]   A
  4     A- 10     PEMA      5          100        M  [illegible] [illegible] I
  5     C-  2     EUMI      3           33        F  [illegible] [illegible] U
  6     C-  9     EUMI      3          150        M  [illegible]   31        I
  7     C- 13     EUMI      3          102        F  [illegible]   30        I
  8     B-  8     EUMI      3          201        F      A     [illegible]   I
  9     A-  1     EUMI      3       [illegible]   M      A     [illegible]   I
 10     A-  2     EUMI      3       [illegible]   M  [illegible] [illegible] I
 11     A-  3     EUMI      3       [illegible]   M      A         30        I
 12     A-  5     EUMI      3          101        F      A     [illegible]   I
 13     A-  7     EUMI      3           51        M      A     [illegible]   I
 14     A-  9     EUMI      3       [illegible]   M      A     [illegible]   I
 15     A- 1[illegible] EUMI 3      [illegible]   M      A     [illegible]   I
 16     A- 12     EUMI      3       [illegible]   F      A     [illegible]   I
 17     C-  5     SPTR      2       [illegible]   F  [illegible] [illegible] I
 18     C-  7     SPTR      2           51        F  [illegible] [illegible] I
 19     B-  9     SPTR      2          100        F      A     [illegible]   I
 20     B-  7     SPTR      2           32        M  [illegible] [illegible] I
 21     B-  5     SPTR      2           21        M  [illegible] [illegible] I
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File No: B.C.3.1.2.3-19

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name [illegible] sage (Sagebrush) Grid 2 Sample Period July 75 Trap Night 4

Date, time traps set (0600) 24 July 75 Date, time traps checked (0600) 25 July 75

Last toe clip # used on previous day 0201 Field Analyst(s) [illegible]

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-2	SPTR	0055	F	U	50	I	
C-3	EUMI	0045	M	A	30	I	Nearly dead
C-4	PEMA	0036	M	A	17	D	Dead in trap
C-7	SPTR	0053	F	U	55 45	I	—
C-10	EUMI	0051	M	A	30	I	Nearly dead
C-13	EUMI	[illegible]	F	A	32	I	Nearly dead
[illegible]	[illegible]	0052	M	U	27	I	—
E-7	EUMI	[illegible]	M	A	35	I	—
E-6	FEAP	0041	M	A	13	I	—
E-4	PEMA	0024	M	A	23	A	Enlarged testes
F-1	EUMI	0023	F	A	55	I	—
F-2	EUMI	0042	M	U	23	I	—
[illegible]	EUMI	0005	M	A	33	I	—
F-[illegible]	[illegible]	0034	F	A	27	A	Swollen nipples
F-[illegible]	SPTR	0105	F	A	8[illegible]	I	—
A-8	EUMI	0030	F	A	35	I	
A-[illegible]	EUMI	0104	M	A	33	I	—
F-[illegible]	SPTR	0021	M	A	73	I	—
F-[illegible]	[illegible]	0020	M?	U	30	I	—

*Key taxonomic characters, physical condition of animal, etc.

```
                     [illegible]

                         [illegible]
                         [illegible]

 [illegible]                       GROUP-2    [illegible]
 [illegible]
 [illegible]

 [illegible]   [illegible]   [illegible]      [illegible]    SEX    [illegible]    [illegible]   [illegible]
                                                                    CLASS

 [illegible]   [illegible]                    55             F      J              56
 [illegible]   [illegible]                    [illegible]    F      J              45
 [illegible]   [illegible]                    [illegible]    M      J              47
 [illegible]   [illegible]                    105            F      A              84
 [illegible]   [illegible]                    [illegible]    M      A              72
 [illegible]   [illegible]                    [illegible]    M      A              36
 [illegible]
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File No: 83.C 5.1.2.3-2

Sagebrush SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name [illegible] Grid 2 Sample Period Jul 75 Trap Night 5

Date, time traps set 0600 30 Jul 75 Date, time traps checked 0800 31 Jul 75

toe clip # used on previous day 0203 Field Analyst(s) [illegible]

Project : 83 RDOSP [illegible] wt 14 QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
A-1	FUMI	[illegible]	M	A	33	I	
-2	FUMI	0042	M	J	26	~~I~~ D	Dead in trap
-3	FUMI	[illegible]	M	J	27	I	
-5	SPTR	[illegible]	F	J	94	I	
A-6	PEMA	0071	M	A	20	A	Desc. Testes
A-8	FUMI	0101	F	A	34	I	
A-9	FUMI	[illegible]	M	A	29	I	Rt foot deformed -
A-10	SPTR	0052	M	J	45	I	
A-12	FUMI	0032	M	A	31	I	
A-13	FUMI	[illegible]	M	A	33	I	
C-4	FUMI	0030	F	A	33	I	
B-4	PEMA	0034	F	A	21	I	
B 6	FUMI	0104	M	A	33	I	
B-8	SPTR	0053	F	J	37	I	
-9	SPTR	0204	F	J	43	I	
-12	SPTR	0021	M	U	70	I	

*Key taxonomic characters, physical condition of animal, etc.

[illegible] MAMMAL LIVE TRAPPING DATA

PROJECT [illegible]
DATA [illegible] BY TOM [illegible]

[illegible] GRID-1 SAMP. PERIOD- 4
[illegible] 8 DATE [illegible]
[illegible]

[illegible]	CAPTURE LOCATION	SPECIES	DAY	RECORD #	SEX	AGE CL.	WEIGHT (G)	REPRO STAT
1	[illegible]	[illegible]	3	48	M	A	[illegible]	[illegible]
2	A- 7	[illegible]	[illegible]	42	M	[illegible]	26	[illegible]
3	A- 3	[illegible]	3	46	M	[illegible]	27	1
4	A- 8	[illegible]	2	101	F	[illegible]	34	1
5	A- 9	[illegible]	3	105	M	A	27	1
6	A- 10	[illegible]	[illegible]	32	M	A	31	1
7	[illegible]	[illegible]	[illegible]	201	M	A	32	[illegible]
8	[illegible]	[illegible]	[illegible]	36	F	A	33	[illegible]
9	[illegible]	[illegible]	[illegible]	104	M	A	33	1
10	[illegible]	[illegible]	[illegible]	105	F	A	34	[illegible]
11	[illegible]	[illegible]	[illegible]	32	M	[illegible]	45	[illegible]
12	[illegible]	[illegible]	[illegible]	53	F	[illegible]	37	[illegible]
13	[illegible]	[illegible]	[illegible]	204	F	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	21	M	A	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	26	[illegible]
16	[illegible]	[illegible]	5	[illegible]	F	[illegible]	[illegible]	[illegible]

File No: 83.C.5.1.2.7-20

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 1 of 1

Grid Name Rabbitbrush Grid 3 Sample Period July 75 (4) Trap Night 1

Date, time traps set 7/25/75 1100:1500 Date, time traps checked 7/26/75 time?

Last toe clip # used on previous day 1332 Field Analyst(s) McCain/Jorgensen

Project RBOSP Bag wt = 12 gm QA Check RAM 9/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C12	PEMA	1452	M	A	20	A	testes descended
C11	PEMA	1342	F	A	24	I	
B10	PMA	1254	M	A	24	I	
B7	EUMI	2000	F	A	46	I	
B5	PEMA	1225	M	A	20	I	
C1	PEMA	1333N	F	A	24	A	Lactating
A-12	PEMA	2111N	F	A	20	D	DEAD (
A-6	PEMA	1450	F	A	26	A	Reddened vagina
A-3	PEMA	1042	F	A	24	U	Toe 4+5 missing on 2nd foot
A-2	PEMA	2112N	M	A	U	A	Descended Testes
							From South P-J

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 90
DATA ENTERED ONTO TAPE BY TOM [illegible]

GRID TYPE- RABBITBRUSH [illegible] SAMP. PERIOD- 4
TRAP NIGHT 1 DATE- [illegible]
DATA COLLECTED BY [illegible]

CAPTURE LOCATION	SPECIES	CODE #	TAG/CLIP #	SEX	AGE CLASS	WEIGHT (GM)	REPRO STAT
C- 12	PEMA	5	[illegible]	M	A	20	U
C- 11	PEMA	5	13?5	F	A	24	I
B- 6	PEMA	5	1034	M	A	24	I
B- 5	PEMA	5	12?5	M	A	20	I
C- 1	PEMA	5	1030	F	A	24	A
A- 12	PEMA	5	-1011	F	A	20	N
A- 6	PEMA	5	1456	F	A	26	A
A- 3	PEMA	5	1042	F	A	24	I
A- 2	PEMA	5	2112	F	A	10	A
B- 7	[illegible]	5	2000	[illegible]	A	5	I

File No: 83.C.5.12.7-

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Rabbit Brush Grid 3 Sample Period July 75 (4) Trap Night 2

Date, time traps set 25 July 75 (2PM)? Date, time traps checked 27 July 8AM

7/26

[illegible]st toe clip # used on previous day 1333 Field Analyst(s) McClure / [illegible]

Project REOSP QA Check RDm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-12	PEMA	1452	M	A	17	I	
B-10	PEMA	1450	F	A	25	U	may be pregnant

*Key taxonomic characters, physical condition of animal, etc.

ECI

File No: 83.C.5.12.7-22
2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name Rabbitbrush Grid 3 Sample Period (4) July, 75 Trap Night 2
Date, time traps set 25 Jul, 75 - 1330 Date, time traps checked 0830 - Jul, 27, 1975
[illegible]st toe clip # used on previous day 7/26 2112 Field Analyst(s) McGuire / Aronson
Project 83 Bag wt - 15 gram QA Check RDm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-7	PEMA	2113N	F	J	14	I	
A-2	PEMA	1231	M	A	26	I	
C-1	EUMI	0001	U	A	40	I	

*Key taxonomic characters, physical condition of animal, etc.

ECI

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT 20
                                   DATA ENTERED ON [illegible] BY TOM [illegible]
[illegible]                                GRID-3     SAMPL. PERIOD- [illegible]
TRAP NIGHTS- [illegible]
DATA COLLECTED BY [illegible]
---------------------------------------------------------------------------------------
        GRID        SPECIES   CODE      TOECLIP    SEX     AGE       WEIGHT     REPRO
 #      LOCATION               #           #               CLASS      (GM)      STAT
---------------------------------------------------------------------------------------
 1     [illegible]  P[illegible]  2        1452      M       A        [illegible]   0
 2     D- 10        PSMA      5           1458      F       A         25         5
 3     A  [illegible] [illegible] 5       2110   [illegible] J        15    [illegible]
 4     H- [illegible] P[illegible] 5      1001   [illegible] A        22         1
 5     C-  1        E[illegible]  3          1      F       A         40         1
***************************************************************************************
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File No: 05.C 3.1.2.1.3

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Rabbitbrush Grid 3 Sample Period (1) July 75 Trap Night 3

Date, time traps set 25 Jul. 75 11 AM Date, time traps checked 28 Jul. 75 8:15 AM

(7/27-0800)

Last toe clip # used on previous day 2113 Field Analyst(s) McGuire/[illegible]

Project RBOSP Bag wt = 13 gm QA Check COM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
A-12	PEMA	2114N	F	A	17	I	
A-6	PEMA	2115 N	F	A	19	~~I~~ A	(see night 5) Red vagina - Appears preg.

* Key taxonomic characters, physical condition of animal, etc.

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File No: BC3.1.2.1-24
2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

id Name Rabbitbrush Grid 3 Sample Period Jul 75 (1) Trap Night 3

Date, time traps set 25 Jul 75 11 AM Date, time traps checked 28 Jul 75 8:15 AM

L[illegible]t toe clip # used on previous day 7/27 - 0800 1333 Field Analyst(s) McClune/Thomson

Project RBOSP Boz wt = 13gm QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-13	SPLA	4323	M	A	195	D	
B-6	PEMA	1225	M	A	21	I	

*Key taxonomic characters, physical condition of animal, etc.

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                     SMALL MAMMAL LIVE TRAPPING DATA

                          PROJECT C[illegible]
                          DATA ENTERED [illegible]

[illegible]                            GRID-1     SAMP. PERIOD-  4
[illegible]   3    DAT[illegible]
DATA COLLECTED BY [illegible]
-------------------------------------------------------------------------------
      GRID     [illegible]   TAG      TOECLIP    SEX    AGE      WEIGHT    REPRO
  #   LOC.                    #          #              CLASS     (GM)     COND
-------------------------------------------------------------------------------
  1   [illegible]  [illegible]   [illegible]  2114     [illegible]  [illegible]  [illegible]  [illegible]
  2   [illegible]  [illegible]   [illegible]  2315    F   [illegible]  [illegible]  [illegible]
  3   B-[illegible]  [illegible]   [illegible]  1325    M   [illegible]  [illegible]  [illegible]
  4   C-[illegible]  [illegible]   [illegible]  -1[illegible]   M   [illegible]  [illegible]  [illegible]
-------------------------------------------------------------------------------
```

File No: 83 C 3.7.2.1-35

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

10f2

Grid Name [illegible] Grid 3 Sample Period Jul/4 7 (4) Trap Night 4

Date, time traps set 25 Jul/4 75 7 pm Date, time traps checked 29 Jul/4 5:30 pm

toe clip # used on previous day 7/28 0815 1333 Field Analyst(s) [illegible]

Project RBOSP QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
-12	PEMA	1345	F	A	25	I	
-6	PEMA	1293	F	A	30	A	[illegible]

*Key taxonomic characters, physical condition of animal, etc.

File No: 83-C.2.1.2.1-2.
2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Rabbitbrush Grid 3 Sample Period (4) July, 1975 Trap Night 4

Date, time traps set 25 Jul, 75 7/28 0815 Date, time traps checked 0830, 29 July 75

I[illegible] toe clip # used on previous day 2115 Field Analyst(s) McGuire/Evanson

Project RBOSP-83 QA Check Rom 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
B-4	PEMA	1225	M	A	21	I	

*Key taxonomic characters, physical condition of animal, etc.

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                    SMALL MAMMAL LIVE TRAPPING DATA

                         PROJECT 8
                         DATA ENTERED ONTO TAPE [illegible]

[illegible]                              GRID-[illegible]   [illegible] = 4
[illegible]
[illegible]

       STATION     SPECIES    DAY       TOE CLIP     SEX    AGE        WEIGHT     [illegible]
 #     LOCATION                #            #               CLASS      (GM)       [illegible]

 1     E- 12       PEMA        5          1045        F       A         25           [illegible]
 2     E- 7        PEMA        5          1253        F       A         30           N
 3     E- 4        PEMA        5          1225        M       A         21           [illegible]
```

File No: 33.C.3.1.2.7-27

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Rabbitbrush Grid 3 Sample Period July 1975 (4) Trap Night 5

Date, time traps set 25 July 75 Date, time traps checked time? 30 July 75

1. toe clip # used on previous day 7/29 0830 1333 Field Analyst(s) McGuire/Stevenson

Project RBOSP-83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
C-13	PEMA	1331	M	J	16	I	
C-5	SPLA	7111	F	A	—	LG	From South P-J
C-1	PEMA	1035	M	A	22	A	Tail damaged
B-1	PEMA	2115	F	A	4	A	[illegible]

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

292

rid Name Pabbitbrush Grid 3 Sample Period July, 1975 (4) Trap Night 5

ate, time traps set 25 July 75 Date, time traps checked time? 30 July 75

toe clip # used on previous day 7/29 0830 2115 Field Analyst(s) McGuire / Aronson

roject RBOSP-83 QA Check KDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-12	PEMA	221N	M	A	19	A	Desc. testes
-4	PEMA	225	M	A	21	1A	
-7	PEMA	1042	F	A	26	I	From South P-J

axonomic characters, physical condition of animal, etc.

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                        SMALL MAMMAL LIVE TRAPPING DATA

                             PROJECT [illegible]
                             DATA ENTERED ONTO TAPE BY TOM [illegible]

VEG. TYPE--[illegible]                  GRID-3     SAMP. PERIOD-  4
TRAP NIGHT-  5     [illegible] '75
DATA COLLECTED BY [illegible]
-------------------------------------------------------------------------------

       CAPTURE    SPECIES    [illegible]    [illegible]   SEX   [illegible]    WEIGHT    [illegible]
  #    LOCATION                #                #             [illegible]     (GM)      [illegible]
-------------------------------------------------------------------------------

  1    [illegible]    [illegible]    [illegible]    [illegible]    M    [illegible]    16    [illegible]
  2    [illegible]    [illegible]    [illegible]    1435    M    [illegible]    22    [illegible]
  3    [illegible]    [illegible]    [illegible]    2115    [illegible]    [illegible]    0    [illegible]
  4    [illegible] 10    [illegible]    [illegible]    2121    [illegible]    [illegible]    15    [illegible]
  5    [illegible]    [illegible]    [illegible]    2275    M    [illegible]    21    1
  6    [illegible]    [illegible]    [illegible]    1042    F    [illegible]    25    1
  7    [illegible] 8    [illegible]    [illegible]    114    F    [illegible]    0    0
*******************************************************************************
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File No: 83C.5.1.2.10-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 1

Pinion-Juniper/Mixed Brush

Grid Name Tower-PJ Grid 4 Sample Period July '75 Trap Night 1

Date, time traps set 7/25/75 6:30PM Date, time traps checked 7/26/75 12:05

Last toe clip # used on previous day 0031 Field Analyst(s) McGuire/Jorgenson

Project RBOSP Bag wt 12gm QA Check RMM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C12	EUMI	0032 N	F	A	34	I	
C1	EUMI	0033N	M	U	—	I	Escape from wt. ba
B7	PEMA	0030	F	A	23	I	
B8	EUMI	0034 N	F	J	16	I	
B9	PEMA	0035 N	M	A	17	D	DEAD IN TRAP
A-13	EUMI	0012	M	A	33	I	
B-5	PEMA	0154	M	A	20	D	testes descended/

*Key taxonomic characters, physical condition of animal, etc.

File No: 83.C5.1.2.10-

P-J / Mixed Brush

sheet 1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Tipper-Pt Grid 4 Sample Period July Trap Night 2

Date, time traps set 1200 26 July 75 Date, time traps checked 27 July 75 1320

[illegible]t toe clip # used on previous day 0410 Field Analyst(s) McGuire - Aronson

Project R805D-83 QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-13	SPLA	0420N	M	A	96	I	
A-11	PEMA	0011	F	A	34	D	Dead in trap
A-7	EUMI	0430N	F	A	32	I	

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*Key taxonomic characters, physical condition of animal, etc.

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File No: 83C5/.210-21

282

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon-Juniper / Mixed Brush

Grid Name [illegible] Grid 4 Sample Period -10/75 Trap Night 2

Date, time traps set 1200 26-[illegible]-75 Date, time traps checked 2[illegible]-75 1320

Last toe clip # used on previous day 0035 Field Analyst(s) [illegible]

Project RBOSP-83 QA Check [illegible] 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-12	EUMI	0041N	F	A	33	I	
B-16	EUMI	0042N	F	J	29	I	
C-7	PEMA	0030	F	A	20	I	
C-6	EUMI	0043N	F	A	33	I	

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 81
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] GRID- [illegible] SAMP. SESSION- 4
[illegible]
[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	SEX	AGE CLASS	WEIGHT (gm)	REPRO STAT
[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	1
[illegible]	[illegible]	[illegible]	[illegible]	F	A	24	1
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	20	1
[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	32	1
[illegible]	[illegible]	[illegible]	41	F	A	[illegible]	1
[illegible]	[illegible]	[illegible]	42	[illegible]	[illegible]	[illegible]	1
[illegible]	[illegible]	[illegible]	43	F	A	[illegible]	1

File No: 83 C.5 12 10-23
2072

P-J/Mixed Brush

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 Name Tower Pt. Grid 4 Sample Period July 75 Trap Night 3

ite, time traps set ~~1PM~~ ~~27 July 75~~ 7/27 - 1320 Date, time traps checked 1030 - 28 July 75

toe clip # used on previous day 0043 Field Analyst(s) McGuire/Avonson

roject RBOSP Bag wt = 13 gm QA Check RBm 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-12	Eumi	004411	F	A	40	I	
3-7	Eumi	004511	M	A	32	I	
-6	PEMA	005111	M	J	17	I	

Key taxonomic characters, physical condition of animal, etc.

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                    SMALL MAMMAL LIVE TRAPPING DATA

                          [illegible]
                          DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible]                                   [illegible]    SAMP. PERIOD- [illegible]
[illegible]
[illegible]

   [illegible]   [illegible]   [illegible]   [illegible]   SEX   AGE      WEIGHT   [illegible]
                                                                CLASS    (G)

                                   4[illegible]    F     A       2[illegible]
                                   [illegible]     F     A       [illegible]
                                   [illegible]     M     J       [illegible]
                                   [illegible]     F     A       27
                                   [illegible]     F     A       40
                                   [illegible]     M     A       3[illegible]
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File No: P3.C.3.1.2.10-

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper/Mixed brush

Grid Name [illegible] PJ Grid 4 Sample Period July 75 Trap Night 4

Date, time traps set ~~25 July 75 [illegible]~~ 7/28 0930 Date, time traps checked 29 July 75 0930

L[illegible] toe clip # used on previous day 0051 Field Analyst(s) McC[illegible]/[illegible]

Project RBOSP QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-9	SPLA	[illegible]	M	A	157	I	

*Key taxonomic characters, physical condition of animal, etc.

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```
SMALL MAMMAL LIVE TRAPPING DATA

              PROJECT [illegible]
              [illegible] TRAPS [illegible]

[illegible]                          [illegible]    [illegible] PERIOD [illegible]
[illegible]
[illegible]

   [illegible]   [illegible]   [illegible]   [illegible]   [illegible]   AGE     WEIGHT   [illegible]
   [illegible]                                                          CLASS   [illegible]

   [illegible]   [illegible]   [illegible]   [illegible]   M   [illegible]   15[illegible]   [illegible]
```

File No: 83.C.5.1.2.10-2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Pinyon-Juniper/Mixed Brush

Grid Name [illegible] Grid 4 Sample Period [illegible] 1975 Trap Night [illegible]

Date, time traps set 0920 29 Jul 75 Date, time traps checked 10AM [illegible]

Last toe clip # used on previous day [illegible] Field Analyst(s) [illegible]

Project [illegible] 03 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
13	[illegible]	[illegible]	M	A	160	I	
9	[illegible]	[illegible]	M	A	150	[illegible]	
7	PEMA	[illegible]	F	A	18	I	

*Key taxonomic characters, physical condition of animal, etc.

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File No: 83C5.1.2.10-26
292

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

P-J / Mixed Brush
1 Name ~~[illegible] PJ~~ Grid 4 Sample Period July 1975 Trap Night 5

te, time traps set 0920 29 July 75 Date, time traps checked 10AM 30 [illegible]

L toe clip # used on previous day 0052 Field Analyst(s) [illegible] / [illegible]

Project RBOSP-83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
?-11	SPLA	0055N	F	J	88	I	
?-4	PEMA	0051	M	A	16	I	Larvae tumors

* Key taxonomic characters, physical condition of animal, etc.

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        [illegible] LIVE TRAPPING DATA

                    PROJECT [illegible]
                    DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                                [illegible]     SAMPL PERIOD
[illegible]
[illegible]

  #   [illegible]   [illegible]   [illegible]   [illegible]   SEX   AGE     WEIGHT   [illegible]
      LOCATION                     #             #                  CLASS   (GM)

  1   [illegible]   [illegible]   1             [illegible]   [illegible]   [illegible]   180
  2   [illegible]   [illegible]   [illegible]   1062          [illegible]   [illegible]   150
  3   [illegible]   [illegible]   [illegible]   58            F             [illegible]   88
  4   [illegible]   [illegible]   [illegible]   30            F             [illegible]   18
  5   [illegible]   [illegible]   [illegible]   51            [illegible]   [illegible]   1[illegible]
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File No: 83.C.5.1.2.11-17

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Frost mixed brush Grid 5 Sample Period JULY 75 Trap Night 1

Date, time traps set (1000) 25 JULY 75 Date, time traps checked (1000) 26 July 75

[illegible]st toe clip # used on previous day 0402 Field Analyst(s) Sang. Sauldag.

Project 83 Bio wt. 13 QA Check RAm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-7	PEMA	0403N	F	J	17	I	
A-11	PEMA	0224	F	A	29	A	Pregnant
A-13	PEMA	0405	M	A	20	I	—
B-8	EUMI	0302	F	A	42	A	swollen teats
C-9	PEMA	[illegible]	M	A	19	A	testes enlarged
C-11	EUMI	0020	F	A	35	U	~

* Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT [illegible]
                                   DATA ENTERED INTO [illegible] BY TOM SEIBERT

STUDY SITE- [illegible]                    GRID-5     SAMP. PERIOD-  4
TRAP NIGHT-  1     DATE- [illegible]
DATA COLLECTED BY [illegible]

      CAPTURE     SPECIES    CODE       TAG(CLIP)    SEX   AGE      WEIGHT    REPRO
  #   LOCATION               #          #                  CLASS    (GM)      STAT

  1   [illegible] [illegible] [illegible]  [illegible]  F     A        17        [illegible]
  2   [illegible] [illegible] 5          .004         F     [illegible]  [illegible]  [illegible]
  3   [illegible] [illegible] 5          .05          F     [illegible]  26        U
  4   [illegible] [illegible] 5          .04          [illegible]  [illegible]  19  [illegible]
  5   [illegible] [illegible] [illegible]  [illegible]  F     [illegible]  [illegible]  [illegible]
  6   [illegible] [illegible] 5          20           F     [illegible]  35        U
```

File No: 83.C.5.1.2.11-18

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 1

Grid Name ~~Tract~~ Mixed Brush Grid 5 Sample Period July 75 Trap Night 2

Date, time traps set (1400) 26 July 75 Date, time traps checked (1400) 27 July 75

[illegible]t toe clip # used on previous day 0405 Field Analyst(s) Sams, Sorridge

Project 83 QA Check RJM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
-2	PEMA	0110	F	A	23	A	Pregnant
1-11	PEMA	0229	F	A	24	D	lactating
3-6	PEMA	0120	F	A	22	A	Pregnant

* Key taxonomic characters, physical condition of animal, etc.

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                     SMALL MAMMAL LIVE TRAPPING DATA

                           PROJECT 60
                           DATA ENTERED ONTO TAPE BY TOM SEIBERT

[illegible]                          GRID-5    SAMPL PERIOD-  4
[illegible]
[illegible]

     CAPTURE     SPECIES   COL.     TOECLIP    SEX   AGE     WEIGHT   [illegible]
 #   LOCATION              #        #              CLASS    (GM)     STAT

 1   [illegible]- 3   P-LE      3        110       F     A       23       0
 2   B- 11       PLEU      5       -224       F     A       24       0
 3   [illegible]   P[illegible]      3        120       F     A       2[illegible]       6
```

File No: 83 C 5,1.2,11-11

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Tract mixed brush Grid 5 Sample Period July 1975 Trap Night 3

Date, time traps set (1200) 27 July 75 Date, time traps checked (1900) 28 July 75

L[illegible] toe clip # used on previous day 0120 Field Analyst(s) [illegible]

Project 93 QA Check RDm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-2	EUMI	0201	F	A	40	A	lactating
A-7	EUMI	0130N	U	J	24	I	
A-11	PEMA	0405	M	A	16	A	Swollen testes
A-13	PEMA	0190N	M	A	17	I	———
C-3	PEMA	0404	M	A	22	I	———
C-6	PEMA	0120	F	A	17	A	swollen vulva

*Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                     PROJECT 22
                                     DATA ENTERED ONTO TAPE BY TOM SEIBERT

VEG. TYPE- [illegible]                     GRID-[illegible]    SAMP. PERIOD- [illegible]
TRAP NIGHT- [illegible]     [illegible]
DATA COLLECTED BY [illegible]

         CAPTURE    SPECIES    TOE#         [illegible]    SEX    AGE       WEIGHT    REPRO
  #      LOCATION              #                 #                CLASS     (GM)      STAT

  1      [illegible]  2       [illegible]   [illegible]    201    F     [illegible]   43    [illegible]
  2      [illegible]          [illegible]   [illegible]    120    F     [illegible]   24    [illegible]
  3      [illegible]  1       [illegible]   [illegible]    465    M     [illegible]   16    [illegible]
  4      [illegible]  1       [illegible]   [illegible]    140    M     [illegible]   17    [illegible]
  5      [illegible]          [illegible]   [illegible]    400    [illegible]  [illegible]  22    [illegible]
  6      [illegible]  6       [illegible]   [illegible]    120    F     [illegible]   17    [illegible]
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File No: 83.C.5.1.2.11.2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

10/1

Grid Name Tract Mt. Brush Grid 5 Sample Period JULY 75 Trap Night 4

Date, time traps set (1400) 28 July 75 Date, time traps checked (1400) 29 July 75

L[illegible] toe clip # used on previous day 0140 Field Analyst(s) Samy, Savidge

Project

QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-6	EUMI	0130	F	U	26	I	—
A-7	PEMA	0403	F	A	20	U	wounds present
B-8	EUMI	0210 N	M	A	26	I	—
C-3	EUMI	0150 N	M	J	22	I	—
C-6	PEMA	0403	M	A	17	I	
C-7	PEMA	0324	F	A	29	A	swollen nipples

*Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                  PROJECT 8[illegible]
                                  DATA ENTERED ONTO TAPE BY [illegible]

[illegible]                           GRID-G     SAMPL PERIOD   4
[illegible]
[illegible]

      TRAPPING     SPECIES    CODE       TOE CLIP     SEX    AGE     WEIGHT    REPRO
 #    LOCATION                 #            #                CLASS    GMS.     STAT

 1    [illegible]  6   [illegible]   3        100          F      [illegible]   [illegible]   [illegible]
 2    [illegible]  [illegible]  [illegible]   3        210          M      [illegible]   2[illegible]   [illegible]
 3    [illegible]  [illegible]  [illegible]   [illegible]  150          M      [illegible]   [illegible]   [illegible]
 4    [illegible]  [illegible]  [illegible]   5        403          F      A    [illegible]   [illegible]
 5    [illegible]  6   [illegible]   5        404          M      A    17    [illegible]
 6    [illegible]  7   [illegible]   5        304          F      A    [illegible]   [illegible]
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File No: 83.C.5.1.2.11:31

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Treated mixed Brush Grid 5 Sample Period July 75 Trap Night 5

Date, time traps set (1400) 29 July 75 Date, time traps checked (1400) 30 July 75

I toe clip # used on previous day 0210 Field Analyst(s) [illegible] Savidge

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-8	PEMA	0304	F	A	19	A	swollen nipples.
I-7	PEMA	0203	F	A	18	I	——.
C-4	PEMA	0104	M	A	15	I	
C-5	PEMA	0120	F	A	15	I	

*Key taxonomic characters, physical condition of animal, etc.

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                    SMALL MAMMAL LIVE TRAPPING DATA

                              PROJECT [illegible]
                              DATA ENTERED [illegible] BY TOM SE[illegible]

[illegible]                                  [illegible]     [illegible]   4
[illegible]
[illegible]

       [illegible]       [illegible]   CODE       TOECLIP    SEX    AGE      [illegible]   [illegible]
 [illegible]                            #            #              CLASS

  1    [illegible]       [illegible]   [illegible]    204     F      A        [illegible]    A
  [illegible]            [illegible]   [illegible]    403     F      A        [illegible]    J
  [illegible]            [illegible]   [illegible]    404     M      A        15             A
  [illegible]            [illegible]   [illegible]    [illegible]  F  A       15             [illegible]
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File No: 83C.5.1.2.12

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

P-J/Sage

1 of 1

Grid Name ~~Horse~~ P.J. Grid 6 Sample Period JULY 75 Trap Night 1

Date, time traps set 0500 25 JULY 75 Date, time traps checked 0800 26 JULY 75

Last toe clip # used on previous day 0305 Field Analyst(s) Sam, Savidge

Project 83 Bag weight - 13 g QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A1	EUMI	0401N	F	J	28	I	—
A3	PEMA	0052	M	A	21	A	Testes enlarged
B4	EUMI	0402N	F	U	20	I	—
B-8	PEMA	0104	F	A	29	A	Pregnant
A-10	PEMA	0020	F	A	25	A	—
A-13	EUMI	0400	M	A	30	U	could be [illegible]
C-11	PEMA	0040	M	A	29	A	Testes enlarged
C-1	EUMI	0403N	M	A	31	I	—

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* Key taxonomic characters, physical condition of animal, etc.

ECI

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                  PROJECT 83
                                  DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible]                                GRID-        SAMP. PERIOD-   4
[illegible]
[illegible]

       CAPTURE     SPECIES     CODE         ANIMAL    SEX    AGE        WEIGHT    REPRO
       LOCATION                 #             #              CLASS       (GM)     STAT

  1    [illegible] [illegible] [illegible]  401       F      1           26       [illegible]
  2    [illegible] [illegible] [illegible]  402       F      A           30       1
  3    [illegible] [illegible] [illegible]  400       M      A           30       [illegible]
  4    [illegible] [illegible] [illegible]  403       M      A           [illegible] [illegible]
  5    [illegible] [illegible] [illegible]   32       M      A           21       [illegible]
  6    [illegible]  8 [illegible] 5         104       F      A           2[illegible] [illegible]
  7    [illegible] 10 [illegible] [illegible] 30      F      A           [illegible] [illegible]
  8    [illegible] [illegible] 5            [illegible] M    [illegible] [illegible] [illegible]
```

File No: 13C 5.1.2.12-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon - Juniper / Sage

1 of 1

Grid Name ~~[illegible]~~ Grid 6 Sample Period July 75 Trap Night 2

Date, time traps set (0900) 26 July 75 Date, time traps checked (1530) 27 July 75

Last toe clip # used on previous day 0403 Field Analyst(s) Sam Savidge

Project 83 QA Check RBM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-8	EUMI	0402	F	A	34	I	—
B-10	PEMA	0045	M	A	17	A	swollen testes
B-6	PEMA	0104	F	A	28	A	Pregnant
B-4	SPLA	0405N	M	A	—	D	Died in trap
A-3	PEMA	0093	F	A	27	A	pregnant
A-13	EUMI	0404N	M	J	27	I	—
B-7	PEMA	0102	M	A	17	A	swollen testes

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* Key taxonomic characters, physical condition of animal, etc.

ECI

SMALL MAMMAL LIVE TRAPPING DATA

[illegible]

DATA ENTERED ONTO TAPE BY TOM SEIBERT

[illegible] GRID-[illegible] SAMP. PERIOD- 4

[illegible]

[illegible]

#	CAPTURE LOCATION	SPECIES	TAG #	[illegible] #	SEX	AGE CLASS	WEIGHT (GM)	REPRO. STAT.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	162	[illegible]	[illegible]	17	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	[illegible]

File No: 83.C.5.1.2.12-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon-Juniper/Sage

1 of 1

Grid Name ~~Horse P.S./Sage~~ Grid 6 Sample Period July 75 Trap Night 3

Date, time traps set ~~[illegible]~~ 27 July 75 1530 Date, time traps checked (1500) 28 July 75

[illegible]st toe clip # used on previous day 0405 Field Analyst(s) Swidge, Siny

Project 83 QA Check RDM 8/10

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-2	EUMI	0103	M	A	22	I	—
C-3	PEMA	0110 N	M	A	16	I	—
C-8	SPLA	0130 N	M	A	201	D	—
C-11	EUMI	0150 N	F	A	31	I	almost dead; badly suffering
C-12	PEMA	0020	F	A	21	A	Pregnant
C-13	PEMA	0220 N	F	A	22	I	—
B-6	PEMA	0104	F	A	30	A	Pregnant
B-4	PEMA	0240	M	A	16	I	—
A-3	PEMA	0243	F	A	26	A	Pregnant
A-7	SPLA	0120 N	M	A	137	I	—
A-9	SPLA	0140 N	F	A	161	I	—
A-10	PEMA	0210 N	M	A	15	A	enlarged testes
[illegible]-10	PEAP	0230 N	F	A	10	A	lactating

* Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

                    EXHIBIT 6[illegible]
                    DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                          GR[illegible]    SAMP. PERIOD- 4
[illegible]
[illegible] COUNT[illegible]

      [illegible]    [illegible]   [illegible]   [illegible]   SEX   AGE     WEIGHT   [illegible]
      LOCATION                                                     CLASS   (GM)

      [illegible]   [illegible]   [illegible]   403   M    A    32   [illegible]
      [illegible]   [illegible]   3             150   F    A    34   [illegible]
      [illegible]   [illegible]   [illegible]   110   M    [illegible]    16   [illegible]
      [illegible]   [illegible]   [illegible]   170   [illegible]    A    [illegible]   [illegible]
      [illegible]   [illegible]   [illegible]   220   [illegible]    [illegible]    22   [illegible]
      [illegible]   [illegible]   [illegible]   164   F    [illegible]    20   [illegible]
      [illegible]   [illegible]   [illegible]   140   [illegible]    [illegible]    16   [illegible]
      [illegible]   [illegible]   [illegible]   [illegible]   F    A    26   [illegible]
      [illegible]   [illegible]   [illegible]   [illegible]   M    [illegible]    15   [illegible]
      [illegible]   [illegible]   [illegible]   180   M    A    201   [illegible]
      [illegible]   [illegible]   [illegible]   120   [illegible]    A    13[illegible]   [illegible]
      [illegible]   [illegible]   [illegible]   140   F    A    161   [illegible]
      [illegible]   [illegible]   [illegible]   220   [illegible]    [illegible]    10   [illegible]
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File No: 83C3.7.2.72-30

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 1

ld Name ~~[illegible]~~ Pinyon-Juniper/Sage Grid 6 Sample Period JULY 75 Trap Night 4

te, time traps set (1500) 28 Jul 75 Date, time traps checked (1500) 29 Jul 75

toe clip # used on previous day 0230 Field Analyst(s) Sams, Savidge

oject 83 QA Check RDM 8/1

t. .	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
2	EUMI	0222	F	A	30	I	—
5	PEMA	0245	M	A	17	A	enlarged testes
3	PEMA	0243	F	A	26	A	swollen nipples
-6	SPLA	0240N	M	A	158	I	
-7	PEMA	0124	F	A	23	A	giving birth

ey taxonomic characters, physical condition of animal, etc.

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              SMALL MAMMAL LIVE TRAPPING DATA

                     PROJECT 5
                     UNCALIBRATED DATA TAKE BY TOM SCHWEN

[illegible]                          GRID 1     TRAP. PERIOD-  4
[illegible]
[illegible]

------------------------------------------------------------------------

     TRAP      SPECIES    CLIP     ANIMAL    SEX    AGE      WEIGHT    [illegible]
     LOCATION             #        #                CLASS    (GMS)     STAT
------------------------------------------------------------------------

     [illegible]-6   [illegible]   2    402    F    A    30    [illegible]
     [illegible]-10  P[illegible]  5     45    M    [illegible]    17    A
     [illegible]-3   P[illegible]  [illegible]     48    F    [illegible]    26    [illegible]
     [illegible]-7   P[illegible]  5    104    F    [illegible]    25    [illegible]
     [illegible]-6   [illegible]   [illegible]    240    M    [illegible]   15[illegible]
**************************************************************************
```

File No: 83.C.3.7.2.75-

Pinyon-Juniper/Sage

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1of1

Grid Name ~~[illegible]~~ Grid 6 Sample Period July 75 Trap Night 5

Date, time traps set (1500) July 29 75 Date, time traps checked (1500) July 30 75

Last toe clip # used on previous day 0240 Field Analyst(s) Sims, Sanitage

Project 83 QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional Notes*
-4	PEMA	0204	F	A	19	A	swollen teats, open vagina
B-10	PEMA	0020	F	A	26	A	open vagina
B-4	PEMA	0034	F	A	24	A	Swollen nipples
A-7	PEMA	0240	M	A	16	I	——

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 53
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] GRID-6 OBS. PERIOD 4
TRAP NIGHT [illegible]
DATA COLLECTED BY [illegible]

#	CAPTURE LOCATION	SPECIES	[illegible] #	TOE-CLIP #	SEX	AGE CLASS	WEIGHT (GM.)	REPRO STAT
1	C- [illegible]	PEMA	[illegible]	304	F	A	15	N
2	[illegible] 10	PEMA	[illegible]	20	F	A	20	N
3	B- 4	PEMA	[illegible]	34	F	A	24	N
4	A- 7	PEMA	[illegible]	240	M	A	16	[illegible]

File No: B3.C.5.1.2.F
1 of 2 13

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Upland Meadow Grid 7 Sample Period July 75 Trap Night 1

Date, time traps set 25 July 1930 Date, time traps checked 26 July 75 1735

st toe clip # used on previous day 0201 Field Analyst(s) BAKER

Project RBOSP QA Check RBM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-4	PEMA	0201M	M	A	16	I	
C-5	PEMA	2000-	F	A	19	A	lactating
C-9	PEMA	1100	M	A	25	A	testes descended
C-12	PEMA	0202N	M	A	18	A	testes descended

*Key taxonomic characters, physical condition of animal, etc.

File No: 83C5.1.2.13-1
2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Upland Meadow Grid 7 Sample Period ______ Trap Night 1

Date, time traps set 19:30 25 July 1975 Date, time traps checked 17:30 26 July 1975

st toe clip # used on previous day 0201 Field Analyst(s) REYES; BAKER

Project 83 QA Check RPM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-10	PEMA	0202N	M	A	15	A	SWOLLEN TESTES
A-9	PEMA	0203N	M	J	14	I	—

*Key taxonomic characters, physical condition of animal, etc.

ECI

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                         [illegible] DATA

                              PROJECT [illegible]
                              DATA ENTERED: [illegible]

[illegible]                                    [illegible]
[illegible]
DATA COLLECTED BY [illegible]

         [illegible]   [illegible]   [illegible]   [illegible]   [illegible]   [illegible]   [illegible]   [illegible]

 1                                                     [illegible]                      16
 2                                                     [illegible]
 3        [illegible]                    5             1000                             2[illegible]
 4        [illegible]                    5             1[illegible]                     1[illegible]
 5        [illegible]                    5             200           [illegible]        15            [illegible]
 6        [illegible]                    [illegible]   213           [illegible]        14

[illegible]
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File No: 83C5.1.2.9

1/2 13-76

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Upland Meadow Grid 7 Sample Period July '75 Trap Night 2

ate, time traps set 26 July 1730 Date, time traps checked 1645 27 July 1975

toe clip # used on previous day 9000 Field Analyst(s) Reyes

roject 83 QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-12	PEMA	0011N	M	A	19	A	swollen testes
-9	PE MA	0202	M	A	15	A	"
-9	PE MA	0012N	M	J	15	I	none
C-6	EU MI	0013N	F	J	39	I	none

ey taxonomic characters, physical condition of animal, etc.

File No: 83.C.3.1.2.13-17

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 7062

Grid Name Upland Meadow Grid 7 Sample Period July '75 Trap Night 2

Date, time traps set 26 July 1730 Date, time traps checked 27 July 1645

La toe clip # used on previous day ~~50~~ 4000 Field Analyst(s) FJ/KER

Project 83 QA Check RAM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
7-13	PEMA	0013^LF	F	J	14	I	— duplicate # used

*Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                  PROJECT 33
                                  DATA ENTERED ONTO TAPE BY TOM [illegible]

VEG. TYPE--[illegible]                       GRID-7       SAMP. PERIOD- 4
TRAP NIGHT          DATE       [illegible]
DATA COLLECTED BY [illegible]

       CAPTURE    SPECIES   CODE       TOECL #    SEX    AGE      WEIGHT    REPR
 #     LOCATION              #            #              CLASS     (GM)     STAT

 1      C- 1[illegible]     P[illegible]S      5           11       M       A        19        A
 2      B-  4     PEMA      5          262       M       A        15        A
 3      C-  [illegible]     PEMA      5           12       M       U        15        I
 4      B- 12     P[illegible]F      5           13       F       J        14        I
 5      C-  [illegible]     E[illegible]      3           13       F       A        20        [illegible]
```

File No: 23C 3.1.2.7

1 of 2 13-18

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Upland Meadow Grid 7 Sample Period July '75 Trap Night 3

Date, time traps set 27 July 1445 Date, time traps checked 28 July 1975 15:0

toe clip # used on previous day 0013 Field Analyst(s) Reyes

Project 83 QA Check RDm 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
~~2-9~~	~~PEMA~~	~~-~~	~~-~~	~~J~~	~~-~~	~~-~~	~~escape~~
-7	PEMA	1100	M	A	24	A	none
-5	EUMI	0102	M	A	32	I	none

*Key taxonomic characters, physical condition of animal, etc.

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File No: 83.C.3.1.2.13-1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

rid Name Upland Meadow Grid 7 Sample Period July '75 Trap Night 3

ate, time traps set 1645 27 July Date, time traps checked 28 July 1500

toe clip # used on previous day 0202 Field Analyst(s) BWGR

roject 83 QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-4	PEMA	0203N	F	A	22	I	—

*Key taxonomic characters, physical condition of animal, etc.

```
                    [illegible] MAMMAL LIVE TRAPPING DATA

                         PROJECT 8[illegible]
                         DATA ENTERED ONTO TAPE BY TOM SL[illegible].

  [illegible] TYPE [illegible]              GRID-7     SAMP. PERIOD   4
[illegible] NIGHT  [illegible]    DATE [illegible]7 [illegible]8 7[illegible]
[illegible] COLL[illegible] BY [illegible]

-----------------------------------------------------------------------------

      TRAP [illegible]   [illegible]   [illegible]   TOE CLIP   SEX   AGE     WEIGHT   [illegible]
  #   LOCATION                          #                 CLASS    (GM)     [illegible]
-----------------------------------------------------------------------------

  1   [illegible]        [illegible]   [illegible]   1[illegible]0   [illegible]   [illegible]   [illegible]
  2   [illegible] 4      [illegible]   [illegible]   [illegible]03   F     [illegible]   2[illegible]
  3   [illegible] 5      [illegible]   [illegible]   102             M     [illegible]   [illegible]
-----------------------------------------------------------------------------
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File No: 83.C.3.1.2.4

1 of 2 13:30

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name Upland Meadow Grid 7 Sample Period July 1975 Trap Night 4

ate, time traps set 7/28 1500 Date, time traps checked 14:50 29 July 1975

toe clip # used on previous day 0017 Field Analyst(s) Rogers

oject 83 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
10	PEMA	0014 N	M	A	13	A	none
9	PEMA	1100	M	A	23	A	none
7	PEMA	2000	F	A	17	A	lactating wind [illegible]
5	EUMI	0013	F	A	38	I	none

ey taxonomic characters, physical condition of animal, etc.

0204 0301 0203

0205 0302 0204

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File No: 830.5.1.2.13-2
2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

d Name Upland Meadow Grid 7 Sample Period July '75 Trap Night 4

te, time traps set 28 July 1500 Date, time traps checked 29 July 1450

a toe clip # used on previous day 0013 Field Analyst(s) BAKER /

roject RBOSP QA Check ROM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
11	PEMA	0012	M	A	15	I	———

y taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT [illegible]
DATA ENTERED ONTO [illegible] BY TOM [illegible]

[illegible] TYPE- [illegible] GRID- 7 SAMP. PERIOD- 4
TRAP NIGHT- 4 DATE [illegible]
DATA COLLECTED BY [illegible]

#	CAPTURE LOCATION	SPECIES	COM #	TOE CLIP #	SEX	AGE CLASS	WEIGHT (GM)	[illegible] STAT
1	B- 10	[illegible]	2	14	M	J	13	C
2	C- [illegible]	[illegible]	5	1109	M	A	23	A
3	C- [illegible]	[illegible]	[illegible]	2001	F	A	17	R
4	A- 1[illegible]	[illegible]	[illegible]	12	M	J	15	1
5	C- [illegible]	[illegible]	6	13	F	M	20	T

File No.: [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2 13-22

Grid Name [illegible] Grid 7 Sample Period Jul '75 Trap Night 5

Date, time traps set 29 Jul 1450 Date, time traps checked 30 Jul 1445

Last toe clip # used on previous day 0203 Field Analyst(s) PM/TP

Project KEOSF QA Check Rom 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-11	PEMA	0012	M	A	15	I	

*Key taxonomic characters, physical condition of animal, etc.

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File No: 83 C 3.1.2.15

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

Grid Name [illegible] Grid 7 Sample Period July 75 Trap Night 5

Date, time traps set [illegible] 1975 1-50 Date, time traps checked 20 Jul. 1975 16 15

Last toe clip # used on previous day 0702 Field Analyst(s) P. GIES

Project 83 QA Check Rom 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-9	EUMI	0231	M	A	20	A	none
C-6	PEMA	1100	M	A	26	A	none

*Any taxonomic characters, physical condition of animal, etc.

0305

0231

0202

ECI

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ecology consultants, inc.

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                                SMALL MAMMAL LIVE TRAPPING DATA

                                          PROJECT [illegible]
                                          DATA ENTERED ON CARD [illegible] BY [illegible]

 VEG. TYPE - UPLAND [illegible]                       GRID-7     SAMP. PERIOD-  1
 TRAP NIGHT -   5     DATE--7/[illegible]/75
 DATA COLLECTED BY BAKER-REIT[illegible]

        CAPTURE    SPECIES   CODE        TOECLIP    SEX    AGE         WEIGHT    REPR.
   #    LOCATION              #             #              CLASS        (GM.)    STAT

   1     [illegible] 11    P.MA.     5            12       M      [illegible]    16      [illegible]
   2     C-  6     P.MA.     [illegible]         1 30      M      [illegible]    25      [illegible]
   3     C-  9     E.[illegible]     [illegible]          [illegible]14      [illegible]      [illegible]     3[illegible]      [illegible]
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- Pg. 1 of 2

File No 83.C.5.1.2.14-34

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Greasewood-Sage Grid A Sample Period July 75 Trap Night 1

Date, time traps set (1900) 25 July 75 Date, time traps checked (1000) 26 July 75

Last toe clip # used on previous day 0114 Field Analyst(s) Saunders, Sams

Project 43 180 13g. QA Check RBm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
A-2	PEMA	0115N	M	J	17	I	—
K-I	PEMA	1043	M	A	30	I	—
D-3	PEMA	0121N	M	A	16	A	Testes enlarged scrotal sacs discernible
B-3	PEMA	0122N	F	A	20	I	—
J-9	PEMA	0123N	F	A	25	A	Nipples enlarged
D10	PEMA	0124N	M	A	24	I	—
A11	EUMI	0125N	M	A	33	U	—
D11	PEMA	0030	M	A	22	A	Testes + scrotum enlarged
E11	EUMI	0131N	F	A	45	U	—
J-11	SPLA	1205	M	A	212	I	—
H13	SPLA	0132N	M	A	167	I	—

ey taxonomic characters, physical condition of animal, etc.

ECI

[illegible]

File No: 83.C.5.1.2.14-35

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SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Greenwood · Socc Grid A Sample Period July 75 Trap Night 1

Date, time traps set (1500) 25 July 75 Date, time traps checked (1000) 26 July 75

L[illegible] toe clip # used on previous day 0311 Field Analyst(s) Sam Savidge

Project 83 [illegible] QA Check RBM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
L-1	PEMA	0110	F	A	26	A	swollen nipples & vulva
K-2	PEMA	0312N	M	J	17	I	—
H-4	PEMA	0313N	M	A	18	A	swollen testes
E-5	PEMA	0314N	F	J	13	I	—
B-4	PEMA	0315N	F	J	13	I	—
[illegible]-3	PEMA	0321N	M	A	18	A	swollen testes
J-6	PEMA	0322N	F	J	12	I	—
F-8	PEMA	0323N	M	A	17	I	—
D-8	PEMA	2240	M	A	21	I	could be natural toe clip
F-12	PEMA	1253	M	A	20	A	[illegible] testes
D-12	PEMA	2200	F	A	23	I	—
C-12	PEMA	0324N	F	A	10	I	—
A-[illegible]1	SPLA	0325N	M	A	163	I	—
C-13	EUMI	0331N	M	A	35	I	—

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*Key taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 80
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible]   GRID-A   SAMPL PERIOD- 4
[illegible]
[illegible]

#	CAPTURE LOCATION	SPECIES	CODE #	TOE CLIP #	SEX	AGE CLASS	WEIGHT (GMS)	REPR STAT
1	[illegible]	[illegible]	[illegible]	115	M	J	17	I
[illegible]	[illegible]	[illegible]	[illegible]	10[illegible]3	M	A	2[illegible]	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]20	M	A	1[illegible]	R
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]22	F	A	1[illegible]	R
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	2[illegible]	R
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	2[illegible]	I
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	U
[illegible]	[illegible]	[illegible]	[illegible]	38	M	[illegible]	[illegible]	n
[illegible]	[illegible]	[illegible]	5	[illegible]10	F	J	[illegible]	I
[illegible]	[illegible]	[illegible]	5	[illegible]12	[illegible]	A	12	A
[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	J	13	I
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]14	F	[illegible]	1[illegible]	I
[illegible]	[illegible]	[illegible]	5	3[illegible]5	F	A	16	A
[illegible]	[illegible]	[illegible]	[illegible]	321	F	J	12	I
[illegible]	[illegible]	[illegible]	[illegible]	312	F	A	[illegible]	I
[illegible]	[illegible]	[illegible]	[illegible]	323	M	J	2[illegible]	I
[illegible]	[illegible]	[illegible]	[illegible]	48	M	A	26	A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]552	M	A	23	U
[illegible]	[illegible]	[illegible]	[illegible]	2206	F	A	15	U
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]4	F	A	[illegible]	I
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]15	M	A	[illegible]	I
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	15	I
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	A	2[illegible]	I
[illegible]	[illegible]	[illegible]	1	[illegible]	M	S	1[illegible]	I
[illegible]	[illegible]	[illegible]	1	[illegible]	M	S	1[illegible]	I

File No: 83.C.5.1.2.14-36

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1-0

rid Name [illegible] Grid A Sample Period July 75 Trap Night 2

ate, time traps set (0930) 1000 26 July 75 Date, time traps checked 0730 27 July 75

)oe clip # used on previous day 0331 Field Analyst(s) Sang, Savidge

roject 83 box wt: 19 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
-2	SPLA	0332N	M	A	132	I	—
-2	EUMI	1000	F	A	U	I	escaped while [illegible]
-4	PEMA	0312	M	J	16	I	-----
-4	PEMA	0313	M	J	16	I	—
-4	la erminea	—	—	—	—	—	52 mm tail length
1-4	i	1002	M	A	22	I	—
-6	A	0321	M	A	20	I	—
A-6	PEMA	0333 N	F	A	22	A	[illegible]
-6	PEMA	0030	M	A	19	I	[illegible]
1-9	PEMA	0123	F	A	22	A	lactating
-9	PEMA	0322	F	J	16	I	—
D-12	PEMA	0040	M	A	18	I	—
F-	SPLA	0252	F	A	201	I	—
D-12	PEMA	0124	M	J	22	I	—
C-12	SPLA	0334N	F	A	130	D	— dead in trap
B-12	EUMI	0335N	M	A	36	I	—
A-12	PEMA	0341 N	F	A	22	A	appears to just be finishing lac.
A-13	EUMI	4100	M	A	36	A	swollen testes

* Key taxonomic characters, physical condition of animal, etc.

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File No: 83.C.5.1.2.14-37

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2-U-

rid Name Greasewood-Sage Grid A Sample Period July 1975 Trap Night 2

ate, time traps set (0900) 1000 26 July 75 Date, time traps checked (0730) 27 July 75

) toe clip # used on previous day 0132 Field Analyst(s) [illegible]

roject 83 13 bxs out. QA Check ebm 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-1	EMA	0134N	F	J	15	I	—
D1	PEMA	0133N	F	J	19	I	—
H1	PEMA	0135N	F	A	21	A	swollen nipples
M1	PEMA	0141N	F	J	16	I	—
L-3	EMA	0142N	M	J	17	I	—
D-3	UMI	0143N	F	A	40	U	—
A-3	PEMA	0122	F	A	15	A	swollen vulva
B-8	EUMI	0131	F	A	35	U	
C-8	EUMI	0140	M	A	32	U	
E-8	PEMA	1253	M	A	20	U	
D-8	SPLA	0145N	F	A	145	D	
J-7	EUMI	1200	M	A	33	D	
C-[illegible]	EUMI	0151N	M	A	30	D	
J-11	SPLA	0152N	F	A	115	I	
L-13	PEMA	0153N	F	A	15	I	
K-13	SPLA	0154N	M	A	145	U	
F-13	PEMA	2200	I	A	20	A	swollen nipples

*Key taxonomic characters, physical condition of animal, etc.

ECI

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                        SMALL MAMMAL LIVE TRAPPING DATA

                              PROJECT [illegible]
                              DATA ENTERED ONTO TAPE BY TOM [illegible]

VEG. TYPE--GREASEWOOD-[illegible]          GRID-A    SAMP. PERIOD- [illegible]
TRAP NIGHT    2    DATE- [illegible]-79
DATA COLLECTED BY [illegible]

-----------------------------------------------------------------------------

      CAPTURE     SPECIES     CODE      TOECLIP    SEX    AGE      WEIGHT    REPR
  #   LOCATION                 #           #              CLASS     (GM)     STAT
-----------------------------------------------------------------------------

  1  [illegible]  [illegible]  1          342      M      A        132       I
  2  [illegible]  [illegible]  1          242      F      A        261       I
  3  [illegible]  [illegible]  1         -334      F      A        130       D
  4  [illegible]  [illegible]  1         -115      F      A        145       D
  5  [illegible]  [illegible]  1          152      F      J        115       I
  6  [illegible]  [illegible]  1          144      M      A        145       U
  7  [illegible]  [illegible]  3         1000      F      A          U       .
  8  [illegible]  [illegible]  3         1602      M      A         32       I
  9  [illegible]  [illegible]  3          335      M      A         36       I
 10  [illegible]  [illegible]  3         4100      M      A         36       A
 11  [illegible]  [illegible]  3          143      F      A         40       I
 12  [illegible]  [illegible]  3          131      F      A         35       I
 13  [illegible]  [illegible]  3           40      M      A         32       I
 14  [illegible]  [illegible]  3        -1200      M      A         33       D
 15  [illegible]  [illegible]  3         -151      M      A         30       D
 16  [illegible]  PEMA         5          312      M      J         16       I
 17  [illegible]  PEMA         5          313      M      A         16       A
 18  [illegible]  PEMA         5          321      M      A         20       A
 19  [illegible]  PEMA         5          303      F      A         22       A
 20  [illegible]  PEMA         5           30      M      A         19       U
 21  [illegible]  PEMA         5          103      F      A         22       A
 22  [illegible]  PEMA         5          302      F      J         16       I
 23  [illegible]  PEMA         5           20      M      A         18       I
 24  [illegible]  PEMA         5          124      M      A         22       I
 25  [illegible]  PEMA         5          341      F      A         22       A
 26  [illegible]  PEMA         5          134      F      J         15       I
 27  [illegible]  PEMA         5          103      F      A         19       I
 28  [illegible]  PEMA         5          135      F      A         21       A
 29  [illegible]  PEMA         5          141      F      J         15       I
 30  [illegible]  PEMA         5          142      M  [illegible]      17       .
 31  [illegible]  PEMA         5          102      F      A         15       A
 32  [illegible]  PEMA         5         1203      M      A         20       A
 33  [illegible]  PEMA         5          133      F      A         15       I
 34  [illegible]  PEMA         5         2200      F      A         20       I
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File No: 83.C.5.1.2.14-38

r-0-

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Greasewood-sage Grid A Sample Period July 75 Trap Night 3

Date, time traps set (time) 27 July 75 0730 Date, time traps checked (time) 28 July 75

t toe clip # used on previous day 0341 Field Analyst(s) Sam Sanders

Project 83 RBOSP QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
K-2	PEMA	1043	M	A	18	A	swollen testes
G-5	PEMA	0314	F	A	15	I	Subadult technically
A-4	PEMA	0122	F	A	20	A	pregnant
A-3	PEMA	0115	M	A	16	I	—
B-3	PEMA	0121	M	A	16	A	swollen testes
A-5	PEMA	0215	F	J	15	I	—
B-6	PEMA	0222 N	M	J	16	I	—
C-6	PEMA	0313	M	A	17	I	—
F-6	EUMI	0220	M	A	39	I	—
L-4	EUMI	0330	M	A	34	I	—
[illegible]	PEMA	[illegible] N	M	A	22	I	—
[illegible]	[illegible]	[illegible] N	F	A	U	D	—
[illegible]5	PEMA	0312	M	J	16	I	gray pelage
H-6	EUMI	0345 N	M	A	32	I	—
J-9	PEMA	0123	F	A	30	A	lactating
M-10	PEMA	0351	M	A	U	I	[illegible]
M-12	SPLA	0352 N	F	A	200	I	—
K-12	SPLA	0152	F	U	110	I	—
F-12	EUMI	0204	M	A	34	I	—
D-12	PEMA	2200	F	A	17	I	—
C-12	EUMI	4100	M	A	U	D	

*Key taxonomic characters, physical condition of animal, etc.

File No: 83.C.5.1.2.14-39

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Greasewood-Sage Grid A Sample Period July 1975 Trap Night 3

Date, time traps set ~~0700~~ 0730 27 July 75 Date, time traps checked (0900) 28 July 75

L.) toe clip # used on previous day 0154 Field Analyst(s) Sanz, Savage

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
F1	PEMA	0155	M	J	17	I	
M-1	PEMA	0142	M	A	18	I	
L-3	PEMA	0211 N	F	A	21	A	Swollen vulva
B-8	PEMA	0321	M	A	19	A	enlarged testes
D-8	PEMA	0324	F	A	19	A	swollen vulva
E-8	PEMA	0045	M	A	17	I	
H-8	EUMI	0212N	M	A	37	D	
J-8	PEMA	0322	F	J	13	I	
E-7	PEMA	0213N	M	J	10	I	
A-11	EUMI	0131	F	A	37	U	
J-11	SPLA	0332	M	A	135	D	
F-13	SPLA	0214 N	M	A	149	I	
A-13	EUMI	0125	M	J	27	I	
A-12	EUMI	0215N	M	A	32	U	

*Key taxonomic characters, physical condition of animal, etc.

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                    [illegible] PERIOD [illegible]

                                 PROJECT [illegible]
                                 DATA ENTERED INTO [illegible] BY TOM [illegible]BERT

[illegible]                                  GRID-A     TRAP PERIOD-  [illegible]
[illegible]
[illegible]

 #   CAPTURE    SPECIES   TRAP      TAG CLIP   SEX   AGE     WEIGHT    REPRO
     LOCATION              #          #              CLASS   (GM)      STAT

 1   [illegible] PEMA      [illegible]  1043    M     A       26        U
 2   [illegible] PEMA      [illegible]  314     F     J       14        [illegible]
 3   [illegible] PEMA      [illegible]  122     [illegible] A 20        A
 4   [illegible] PEMA      [illegible]  115     M     J       16        I
 5   [illegible] PEMA      [illegible]  121     [illegible] A 15        A
 6   [illegible] PEMA      [illegible]  315     [illegible] J 15        I
 7   [illegible] PEMA      [illegible]  312     [illegible] J 16        I
 8   [illegible] PEMA      [illegible]  313     [illegible] A 17        A
 9   [illegible] PEMA      [illegible]  343     M     A       [illegible] I
10   [illegible] PEMA      [illegible]  312     [illegible] J 16        I
11   [illegible] PEMA      [illegible]  120     [illegible] A 9         A
12   M           PEMA      [illegible]  351     F     A       9         I
13   [illegible] PEMA      [illegible]  2066    F     A       17        U
14   F           PEMA      [illegible]  155     [illegible] J 17        I
15   N           PEMA      [illegible]  142     F     J       18        I
16   L           PEMA      [illegible]  211     F     A       21        A
17   B           PEMA      [illegible]  321     F     A       15        A
18   D           PEMA      [illegible]  324     [illegible] A 15        U
19   E           PEMA      [illegible]  46      [illegible] A 17        I
20   J           PEMA      [illegible]  322     [illegible] J 18        I
21   E           PEMA      [illegible]  213     M     J       18        I
22   F           [illegible] [illegible] 40     M     A       [illegible] I
23   L           [illegible] [illegible] [illegible] [illegible] A [illegible] I
24   K           [illegible] [illegible] -344   [illegible] A 9         A
25   H           [illegible] [illegible] 145    [illegible] A [illegible] I
26   F           [illegible] [illegible] 264    M     A       [illegible] I
27   C           [illegible] [illegible] -4100  [illegible] A [illegible] U
28   G           [illegible] [illegible] -312   [illegible] A [illegible] U
29   G           [illegible] [illegible] 121    F     A       [illegible] I
30   D           [illegible] [illegible] 125    [illegible] A [illegible] I
31   A           [illegible] [illegible] 215    [illegible] A [illegible] U
32   D           [illegible] [illegible] 352    [illegible] A [illegible] I
33   K           [illegible] [illegible] 152    [illegible] J [illegible] I
34   J           [illegible] [illegible] -312   M     A       [illegible] U
35   F           [illegible] [illegible] 214    M     A       [illegible] I
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                    SMALL MAMMAL LIVE TRAPPING DATA

                              PROJECT  83
                              DATA ENTERED ONTO TAPE BY TOM SEIBERT
[illegible] GRASSLAND [illegible]
[illegible]            DATE  7/29/79     GRID-A     SAMP. PERIOD- [illegible]
[illegible] BY SAM [illegible]
-------------------------------------------------------------------------------
        CAPTURE     SPECIES   CODE     TOECLIP    SEX    AGE     WEIGHT   REPRO
  #     LOCATION               #          #              CLASS    (GM)    STAT
-------------------------------------------------------------------------------
  1     A-  2     [illegible]    5         353      M      A       16    [illegible]
  2     J-  2     [illegible]    5         105      F      A       26      A
  3     K-  2     [illegible]    5         112      F      A       32      A
  4     E-  5     [illegible]    5         313      M      A       16      A
  5     D-  5     [illegible]    5         314      F      J       16      I
  6     A-  6     [illegible]    5         101      M      A       20      A
  7     B-  6     [illegible]    5     [illegible] M      A       17      A
  8     C- 10     [illegible]    5     [illegible] F      A       18      U
  9     J- 10     [illegible]    5     [illegible] F      A       17      D
 10     H-  1     [illegible]    5          21      M      A       20      I
 11     H-  1     [illegible]    5     [illegible] F      A       22      I
 12     M- [illegible] [illegible] 5   [illegible] F      J       11      I
 13 [illegible]  3 [illegible]   5     [illegible] F      J       13      I
 14     B-  3     [illegible]    5     [illegible] F      A       18      A
 15     D-  4     [illegible]    5         122      F      J       14      I
 16 [illegible]   [illegible]    5     [illegible] M      J       13      I
 17 [illegible]   [illegible]    5     [illegible] F      A       16      U
 18 [illegible]   [illegible]    5        -122      F      J       12      D
 19 [illegible]   [illegible]    5        1153      M      A       19      A
 20 [illegible]   [illegible]    3         354      M      A       31      I
 21 [illegible]   [illegible]    3     [illegible] M      A       30      I
 22 [illegible]   [illegible]    3     [illegible] M      A       30      I
 23 [illegible]   [illegible]    3     [illegible] M      A       33      I
 24 [illegible]   [illegible]    3     [illegible] F      A       35      I
 25 [illegible]   [illegible]    3     [illegible] F      A       37      I
 26 [illegible]   [illegible]    3     [illegible] M  [illegible]  28      I
 27 [illegible]   [illegible]    1     [illegible] F      J      109      I
*******************************************************************************
[illegible]
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                        SMALL MAMMAL LIVE TRAPPING DATA

                              PROJECT 85
                              DATA ENTERED ONTO TAPE BY TOM [illegible]

VEG TYPE---GREASEWOOD-[illegible]        GRID-A     SAM. PERIOD-  4
TRAP NIGHT-  5     DATE--[illegible]
DATA COLLECTED BY SANDOVAL

--------------------------------------------------------------------------------

      CAPTURE    SPECIES  CODE      TOECLIP    SEX    AGE      WEIGHT     REPR
 #    LOCATION             #           #              CLASS    (GM)       STAT
--------------------------------------------------------------------------------

 1      F-  1    [illegible]  3          4     M       A         39         I
 2      D-  3    [illegible]  3        232     F       J          U         I
 3      I-  7    [illegible]  3        234     F       A         35         I
 4      G-  7    [illegible]  3        235     F       J         20         I
 5      G-  4    [illegible]  3       1000     F       A         37         I
 6      A-  4    [illegible]  3       1014     F       A         36         I
 7      L-  4    [illegible]  3        354     M       A         32         I
 8      A- 11    [illegible]  3        125     M       A         33         I
 9      F- 10    [illegible]  3        415     F       A         32         I
10      F- 12    [illegible]  3        421     F       A         34         I
11      E- 12    [illegible]  3        204     M       A          U         I
12      A- 12    [illegible]  3        131     F       A          U         I
13      K-  1    PEMA         5        135     F       A         23         A
14      L-  3    PEMA         5        231     M       A         28         I
15      J-  7    PEMA         5        233     M       J         13         I
16      A- 13    PEMA         5        341     F       A         20         A
17      D-  2    PEMA         5        412     M       A         22         A
18      E-  5    PEMA         5        313     M       A         17         A
19      B-  4    PEMA         5        223     F       J         16         I
20      B-  6    PEMA         5        321     M       A         18         A
21      K-  6    PEMA         5        413     M       J         16         I
22      J-  5    PEMA         5        312     M       J         20         I
23      B- 10    PEMA         5        324     F       A         21         U
24      D- 10    PEMA         5       1253     M       A         21         A
25      H- 11    SPLA         1        152     F       J        100         I
26      B- 12    SPLA         1        422     F       A        123         I
27      H-  5    [illegible] 10        414     F       A         23         A
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File No: C.5.1.2.15-29
1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name South-PJ Grid B Sample Period July 75 (4) Trap Night 1

Date, time traps set 26 Jul, 75 - 1330-1830 Date, time traps checked 26 Jul, 75 - 08:05 - 1136

st toe clip # used on previous day 3003 Field Analyst(s) McClure / [illegible]

Project RBOSP (83) Bag wt - 12 gm QA Check RMM 9/1/75

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-12	PEMA	3004N	F	A	18	I	
A-11	EUMI	0042	F	A	36	I	
A-10	EUMI	0402	F	A	33	I	
A-8	EUMI	3005N	M	A	34	I	
A-3	PEMA	3010N	F	A	19	I	
B-4	EUMI	3000	F	A	40	I	Coagulated milk on mammae
B-12	PEMA	1055	F	A	25	A	Pregnant
C-12	EUMI	0301	F	A	40	I	
C-2	PEMA	1045	F	A	26	A	ready to have young. Vagina opening - Pregnant
F-13	EUMI	3020N	M	A	33	I	
F-10	EUMI	0043	M	A	32	I	
H-1	EUQU	0045	F	A	60	I	
)2	PEMA	0004	F	A	24	I	
H-8	EUMI	0100	F	A	42	I	
H-13	PEMA	1044	F	A	26	U	Possibly pregnant
J-12	SPLA	3030N	M	A	196	I	
I-9	EUMI	0102	M	A	52	A	
I-7	PEMA	1000	F	A	22	U	Appears pregnant
I-6	EUMI	3040N	M	A	33	I	
K-10	PEMA	1030	F	A	24	I	
L-10	EUQU	0052	M	A	60	I	
K-11	NECI	3050N	M	A	176	I	Ectoparasites taken - Fleas
K-13	EUMI	4300	M	A	33	I	
M-6	PETR	3100N	F	A	26	I	
M-1	EUQU	3200N	M	A	52	D	Dead in trap HF-32

*ey taxonomic characters, physical condition of animal, etc.

ECI

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                                          PROJECT
                                          [illegible]

[illegible]                                GRID:     SAM   PERIOD   4
[illegible]
[illegible]

                                                      SEX    AGE              [illegible]
                                                             CLASS     GRD

                                            3600       F      A
                                            3410       F      H
                                            1055       F      A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] M     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] M     A
                                            [illegible] M     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] M     A
                                            [illegible] F     A
                                            [illegible] F     A
                                            [illegible] M     A
                                            [illegible] M     A
                                            [illegible] M     A
                                            [illegible] M     A
                                            [illegible] F     A
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File No: C 5 / 3 [illegible]

1002

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper South Slope

Grid Name ~~Smith PJ~~ Grid 13 Sample Period July 78 (4/1) Trap Night 2

Date, time traps set 26 July 4PM Date, time traps checked 27 July 6AM

7/26 1805 – 1330

Last toe clip # used on previous day [illegible] Field Analyst(s) [illegible]

Project RBOSP Bse wt = 13 gm QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
K1	PEMA	0430	M	A	16	I	
M-1	PEMA	1030	F	A	20	I	(1-4) [illegible]
M-9	NECI	3300N	M	J	108	I	
L-4	EUMI	0330	M	A	26	I	
J-12	PEMA	1040	F	A	31	A	Pregnant?
I-7	EUMI	0100	F	A	35	A	Lactating
G-7	EUMI	3040	M	A	32	I	
G-8	PEMA	3400N	M	J	15	I	
H-13	EUMI	3030	M	A	32	I	
E-13	EUMI	4001N	F	J	27	I	
E-12	PEMA	4002N	M	A	17	A	
E-7	EUMI	4003N	M	A	29	A	

* Key taxonomic characters, physical condition of animal, etc.

File No: C5.1.2.15
2072

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper South Slope

Grid Name ~~[illegible]~~ Grid 1 Sample Period [illegible] 79 (II) Trap Night 2

Date, time traps set [illegible] 7/26 0805 - 1330 Date, time traps checked [illegible] - 0630

Last toe clip # used on previous day 1104 Field Analyst(s) [illegible]

Project [illegible]-83 Bag wt - 13 gm QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-10	EUMI	0301	F	A	35	I	
[illegible]	[illegible]	1105N	[illegible]	A	157	I	
B-11	[illegible]	[illegible]	M	A	18	I	
B-12	EUMI	[illegible]	M	A	30	I	
C-13	SPLA	[illegible]	F	A	128	I	
C-12	PEMA	0155	F	A	24	I	
C-[illegible]	SPLA	1203N	M	A	144	I	
C-2	SPLA	1204N	M	A	150	I	
D-1	EUMI	1205N	F	A	32	I	
[illegible]-3	PEMA	[illegible]	F	A	23	I	
D-6	[illegible]	1301N	M	J	13	I	
E-5	[illegible]	[illegible]	M	A	32	I	
[illegible]3	NECI	1302N	M	J	107	I	
F-1	EUMI	1304N	M	J	23	I	

* Key taxonomic characters, physical condition of animal, etc.

[illegible] LIVE TRAPPING DATA

PROJECT [illegible]

[illegible] TYPE [illegible]

[illegible]

DATA COLLECTED BY [illegible]

[illegible]	CAPTURE LOCATION	[illegible]	[illegible]	BAND #	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	100	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

File No: [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Sheet 1 of 2

Pinyon-Juniper / South Slope

Grid Name PJ Grid B Sample Period [illegible] (1) Trap Night [illegible]

Date, time traps set [illegible] 7/27 – 0600 Date, time traps checked [illegible]

L. toe clip # used on previous day [illegible] Field Analyst(s) [illegible]

Project [illegible] Bag wt = 13 gm QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
[illegible]-1	SPLA	400W11	F	A	175	I	
K-1	EUAM	[illegible]	M	A	[illegible]	I	
K-2	EUQU	0045	F	A	57	I	
[illegible]-2	EUQU	100V	F	A	65	D	[illegible]
[illegible]	SPLA	[illegible]	M	A	140	I	
10-4	NECI	[illegible]	M	A	210	I	
[illegible]	PEMA	[illegible]	M	A	17	I	
[illegible]	NECI	[illegible]	F	J	87	I	
[illegible]-11	SPLA	[illegible]	F	A	150	I	
[illegible]-12	SPLA	[illegible]	F	J	135	I	
[illegible]	SPLA	[illegible]	F	A	160	D	[illegible]
[illegible]	EUQU	[illegible]	F	A	50	D	
[illegible]	NECI	[illegible]	M	A	119	I	Left Tail
[illegible]-8	NECI	[illegible]	M	A	—	I	[illegible]

* Key taxonomic characters, physical condition of animal, etc.

File No: C.5 1.2.15.33
2072

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Name South PT Grid B Sample Period July 75(4) Trap Night 3

ate, time traps set 25 July 75 11 AM Date, time traps checked 0615, 28 Jul, 75

L[illegible] toe clip # used on 7/27 /0600 previous day 1304 Field Analyst(s) McGuire / Aronson

Project RBOSP-83 Bag wt - 13 gm QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
A-2	SPLA	1305N	M	A	178	I	
B-2	SPLA	1402N	M	A	193	I	
B-3	EUMI	1403N	F	A	32	I	
B-12	EUMI	1405N	F	A	32	I	
C-10	SPLA	0111N	F	A	147	I	
D-1	EUMI	0330	F	A	37	I	
D-2	PEMA	1034	F	A	22	U	Appears pregnant
D-3	PEMA	1023	F	A	25	U	Red vagina
D-5	EUMI	0100	F	A	43	I	
D-6	PEMA	1254	M	A	23	A	Descended testes
D-11	SPLA	0112N	M	A	141	I/D	Dead in trap
F-13	EUMI	4001	F	A	29	I	
F[illegible]2	PEMA	1044	F	A	28	U	Appears pregnant
E-1	EUMI	0113N	F	A	33	I	
H-5	SPLA	0114N	F	A	235	I	
G-6	EUMI	0115N	F	A	28	I	
G-7	EUMI	0121N	M	A	30	I	
G-9	EUMI	0043	M	A	32	I	
H-13	EUMI	0122N	M	A	32	I	

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 8[illegible]
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] GRID-B SAMP PERIOD- 4
[illegible]
[illegible]

CAPTURE LOCATION	[illegible]	[illegible] #	TAGCLIP #	SEX	AGE CLASS	WEIGHT (GM)	[illegible] STAT
[illegible]	[illegible]	1	4004	F	A	175	[illegible]
[illegible]	[illegible]	1	4010	M	A	140	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	150	1
[illegible]	[illegible]	[illegible]	[illegible]	F	J	125	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1005	M	A	170	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	147	[illegible]
[illegible]	[illegible]	[illegible]	12	M	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	14	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	32	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	1
[illegible]	[illegible]	[illegible]	100	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	J	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	32	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	A	38	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	A	30	[illegible]
[illegible]	[illegible]	[illegible]	43	M	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	45	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	35	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	M	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

File No: C.3.1.2.15.3

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name South PJ Grid 13 Sample Period July 75 (4) Trap Night 4

Date, time traps set 25 July 75 2 PM Date, time traps checked 29 July 75 6:40 A

L toe clip # used on previous day 0122 7/28 0615 Field Analyst(s) McCurrie/Amason

Project RBOSP Box 1.11 = 13 QA Check pem 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
K-1	EUMI	0123N	M	J	25	I	
K-2	EUQU	0124N	M	A	50	A	testes descended
M-2	SPLA	0125N	M	J	—	I	escaped before weighing
M-8	SPLA	0131N	M	A	185	I	
M-12	EUQU	0055	F	A	50	I	
M-13	EUMI	0132N	M	A	45	I	
L-10	SPLA	0133N	M	A	137	I	
-8	EUQU	1104	F	A	65	T	
-4	EUQU	3200	M	A	55		
K-8	NECI	0112	M	A	306	I	
-10	SPLA	0134N	M	J	117	I	
-7	EUMI	0115	M	U	35	I	
H-[illegible]	NECI	0135N	F	J	99	I	
H-12	SPLA	3030	M	A	—	I	escaped before weighing

*Key taxonomic characters, physical condition of animal, etc.

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File No: C 3 7.2.13 - 3

202

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Field Name South PT Grid B Sample Period July, 1975 Trap Night 4

Date, time traps set 2 pm ~~27 July 75~~ 7/28 0615 Date, time traps checked 0610 29 July 75

Last toe clip # used on previous day 0442 Field Analyst(s) McGuire / Aronson

Project RBOSP-83 Began 13, m QA Check RCM 9/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
B-2	PEMA	1042	F	A	24	I	
B-3	SPLA	0443N	F	A	136	I	Ticks present
B-9	FUMI	0042	F	A	35	I	
B-10	SPLA	1203	M	A	149	I	
B-11	SPLA	0444N	F	A	137	I	
B-12	EUMI	1201	M	A	30	I	
C-13	PEMA	1055	F	A	22	I	
C-11	SPLA	0445N	M	A	126	I	
C-3	NECI	0451N	F	J	99	I	
C-1	PEMA	1045	F	A	20	I	
D-1	EUMI	0452N	M	A	28	I	
D-6	SPLA	0453N	F	A	142	I	Bitten by this one
D-8	EUMI	0454N	F	A	31	I	
D-13	PEMA	1044	F	A	22	U	Red vagina-Not lactating
F-13	FUMI	0455N	M	A	28	I	
F-10	SPLA	0111	F	A	139	I	
F-9	FUMI	0100	F	A	41	I	

* Key taxonomic characters, physical condition of animal, etc.

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                              SMALL MAMMAL LIVE TRAPPING DATA

                                        EXHIBIT 09
                                        DATA ENTERED ONTO TAPE BY TOM SC[illegible]

 [illegible]                                   GRID-L     SAMP. PERIOD-  4
 [illegible]
 [illegible]

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       CAPTURE     SPECIES   CODE      TOE-CLIP    SEX     AGE       WEIGHT     REP
  #    LOCATION               #           #                CLASS      (GM)      STA
 ---   --------    -------   ----     ---------    ---     -----     ------     ---

       [illegible]                          73      M        J          25       I
                                           127      M        A          45       I
                                                    M        U          35       I
                                           142      F        A          35       I
                                          1201      M        A          30       I
                                           4?2      M        A          28       I
                                           454      F        A          31       I
                                           455      M        A          29       I
                                           100      F        A          41       U
                                           124      M        A          50       A
                                            55      F        A          50       I
                                          1104      F        A          65       I
                                          4200               P          55       I
                                           125      M                    U       I
                                                    M        A         185       I
                                                    M        A         137       I
                                                    M        J         117       I
                                                    M        A           U       I
                                                             A         136       I
                                                    M        A         149       I
                                                             A         132       I
                                                             A         126       I
                                           453      F        A         142       I
                                           111      F        A         139       I
                                           442      F        A         206       I
                                                    F        J          99       I
                                           451      F        J          99       I
                                                             A          24       I
                                                             A          22       I
                                          1015      F        A          20       I
                                          1004      F        P          22       A
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File No: [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 1982

Pinyon Juniper South Slope

rid Name South PJ Grid B Sample Period [illegible] (1) Trap Night 5

ate, time traps set 7/29 0610 Date, time traps checked [illegible]

toe clip # used on previous day 0135 Field Analyst(s) [illegible]

roject [illegible] QA Check RDM 8/1

ıpt. ɔc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
[illegible]	SPLA	[illegible]	F	A	117	I	
[illegible]	[illegible]	[illegible]	F	[illegible]	118	I	
[illegible]	[illegible]	[illegible]	[illegible]	A	27	[illegible]	
[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	I	
[illegible]	NECI	[illegible]	F	J	[illegible]	I	
[illegible]	[illegible]	[illegible]	M	A	47	I	
[illegible]	[illegible]	[illegible]	M	A	127	I	
[illegible]	[illegible]	[illegible]	M	A	47	I	
[illegible]	[illegible]	[illegible]	M	J	27	I	
[illegible]	[illegible]	[illegible]	F	A	26	A	[illegible]
[illegible]	SPLA	[illegible]	F	A	217	I	
[illegible]	[illegible]	[illegible]	M	A	[illegible]	I	
[illegible]	[illegible]	[illegible]	M	A	[illegible]	I	
[illegible]	[illegible]	[illegible]	F	A	23	I	

*Key taxonomic characters, physical condition of animal, etc.

File No. [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 2 of 2

Pinyon Juniper South Slope

ld Name ~~[illegible]~~ Grid [illegible] Sample Period 26 [illegible] (4) Trap Night 5

ate, time traps set 25 July 75 Date, time traps checked 30 July 75 - 0600

toe clip # used on previous day 7/29 0610 [illegible] Field Analyst(s) [illegible]

oject [illegible] P-83 [illegible] = 14 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
3	PEMA	[illegible]	M	A	15	I	
-1	SPLA	1325	M	A	177	I	
-3	[illegible]	~~[illegible]~~ [illegible]	[illegible]	A	22	I	
-6	PEMA	[illegible]	[illegible]	A	25	I	
-11	SPLA	1263	M	A	147	I	
-12	EUMI	[illegible]	F	A	28	I	
12	PEMA	[illegible]	F	A	13	I	
-1	SPLA	4004	F	A	[illegible]	I	
-6	PEMA	1264	M	A	22	I	
-7	EUMI	[illegible]	F	A	40	I	
-7	EUMI	[illegible]	M	A	[illegible]	I	
-9	EUMI	[illegible]	M	A	44	I	
	SPLA	[illegible]	M	A	163	I	
-13	EUMI	[illegible]	M	A	31	I	
-12	SPLA	[illegible]	F	A	130	I	
-9	SPLA	0134	M	✓	112	I	
-9	EUMI	[illegible]	F	A	32	I	
-9	EUMI	[illegible]	F	A	30	I	
-9	NECI	[illegible]	F	J	116	I	
-1	NECI	[illegible]	F	J	99	I	
-9	NECI	0135	F	J	96	I	

*Key taxonomic characters, physical condition of animal, etc.

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                        SMALL MAMMAL LIVE TRAPPING DATA

                              PROJECT 13
                              DATA ENTERED ONTO TAPE BY TOM SEIBERT

[illegible]                              GRID-D     SAMP. PERIOD-  4
[illegible]                 /75
[illegible] ANDERSON

-------------------------------------------------------------------------------

      CAPTURE       SPECIES    CODE      TOECLIP    SEX    AGE      WEIGHT    REP.
 #    LOCATION                  #          #              CLASS     (GM)     STA.
-------------------------------------------------------------------------------

 1   [illegible]  [illegible]   1          1-1       F      A        117       I
 2   [illegible]  [illegible]   1          142       F      A        118       I
 3   [illegible]  [illegible]   1          110       M      A        127       I
 4   [illegible]  [illegible]   1          152       F      A        247       I
 5   [illegible]  [illegible]   1         1204       M      A          0       I
 6   [illegible]  [illegible]   1         1305       M      A        177       I
 7   [illegible]  [illegible]   1         1203       M      A        147       I
 8   [illegible]  [illegible]   1         4004       F      A        156       I
 9   [illegible]  [illegible]   1         3010       M      A        165       I
10   [illegible]  [illegible]   1         1202       F      A        102       I
11   [illegible]  [illegible]   1          104       M      J        112       I
12   [illegible]  [illegible]   5         1004       F      A         27       I
13   [illegible]  [illegible]   5          103       M      A         25       I
14   [illegible]  [illegible]   7         4000       F      J         37       I
15   [illegible]  [illegible]   7         1302       F      J        116       I
16   [illegible]  [illegible]   7          451       F      J         96       I
17   [illegible]  [illegible]   7          105       F      J         95       I
18   [illegible]  [illegible]   4          144       M      A         47       I
19   [illegible]  [illegible]   4          151       F      A         47       I
20   [illegible]  [illegible]   4          153       M      A         50       I
21   [illegible]  [illegible]   3            3       M      A         27       I
22   [illegible]  [illegible]   3         1113       F      A         28       I
23   [illegible]  [illegible]   3          100       F      A         40       U
24   [illegible]  [illegible]   3         4003       M      A         32       U
25   [illegible]  [illegible]   3         1114       F      A         43       I
26   [illegible]  [illegible]   3         3120       M      A         31       I
27   [illegible]  [illegible]   3           54       F      A         32       I
28   [illegible]  [illegible]   3         1115       F      A         30       I
29   [illegible]  [illegible]   5         1000       F      A         26       U
30   [illegible]  [illegible]   5            4       F      A         23       I
31   [illegible]  [illegible]   5         1112       M      A         15       I
32   [illegible]  [illegible]   5         1442       F      A         23       I
33   [illegible]  [illegible]   5         2054       F      A         25       I
34   [illegible]  [illegible]   5         1055       F      A         18
35   [illegible]  [illegible]  [illegible] 1254      M      A         22

[illegible] DATA [illegible]
```

1 of 2

File No 83.C.5.1.2.16-26

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Pinyon Juniper-North Slope

rid Name ~~[illegible]~~ Grid C Sample Period July 75 Trap Night 1

ate, time traps set (1200) 25 July 75 Date, time traps checked (1930) 26 July 75

toe clip # used on previous day start w/4100 Field Analyst(s) Sam, Savidge

roject 83 QA Check RMM 8/1

pt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
-2	EUMI	0200	F	A	39	I	—
-2	EUMI	4100 N	M	J	30	I	—
-2	EUMI	4200 N	M	J	28	I	—
-4	EUMI	0044	F	A	40	I	—
-12	NECI	4300 N	M	J	78	I	—
-13	SPLA	4400 N	M	A	197	I	—
-7	EUMI	1100	F	A	38	A	lactating
-6	SPLA	1011 N	F	J	99	I	—
I-5	EUMI	1012 N	M	J	27	I	—
1-4	EUMI	1013 N	F	J	25	I	—
-3	EUMI	1014 N	M	J	20	I	—
H-4	SPLA	1015 N	F	U	107	I	—
F	SPLA	1021 N	M	U	111	I	—
-11	SPLA	1022N	M	A	162	I	—
2-11	SPLA	1023N	F	J	99	I	—
1-13	PEMA	1403	F	A	21	A	lactating
-9	EUQU	1024N	F	A	49	I	
-6	EUQU	1025N	F	A	47	I	
-4	SPLA	1031N	F	A	157	I	—

Key taxonomic characters, physical condition of animal, etc.

ecology consultants, inc.

File No: 83.C.5.1.2.16-27

1 # 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 2 of 2.

Pinyon Juniper - North Slope
Name ~~[illegible]~~ PJ. Grid C Sample Period JULY 75 Trap Night 1

ate, time traps set (1200) 25 July Date, time traps checked (1030) 26 July 75

toe clip # used on previous day 2400 Field Analyst(s) Swiday, Sam

QA Check RMM 8/1

oject 83

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
-1	EUMI	3001N	F	J	29	D	—
-1	EUMI	3002N	M	J	31	I	—
-1	EUMI	3003N	F	J	31	I	—
1-2	SPLA	3004N	F	J	85	I	—
1-3	PEMA	3005N	F	A	20	A	Pregnant
M-4	SPLA	3010N	M	J	104	I	—
1-6	PETR	3020N	M	A	20	A	swollen testes
K-13	PETR	1400	F	A	31	A	swollen nipples
I-4	PEMA	1001	M	A	20	A	Swollen testes
E-4	EUMI	3030N	F	J	28	I	
D-2	PEMA	0005	M	A	19	D	
D-3	SPLA	3040N	M	A	140	I	
[illegible]	PETR	3050N	F	A	24	A	swollen nipples
B-12	SPLA	1405	M	A	195	I	
B-10	PEMA	0111	F	A	23	A	swollen nipples
B-3	SPLA	3100N	F	A	147	I	
B-2	PEMA	3200N	F	U	19	I	
B-1	SPLA	3300N	M	A	103	I	

ey taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 85
DATA ENTERED ONTO TAPE BY TOM [illegible]

[illegible] GRID-C SAMP. PERIOD- 4

TRAP LOCATION	SPECIES	TOE CLIP #	SEX	AGE CLASS	WEIGHT (GMS)	REPR. STAT
[illegible]	[illegible]	.300	[illegible]	6	39	1
[illegible]	[illegible]	2100	[illegible]	3	31	[illegible]
[illegible]	[illegible]	1200	[illegible]	3	26	[illegible]
[illegible]	[illegible]	44	[illegible]	[illegible]	40	1
[illegible]	[illegible]	[illegible]	[illegible]	6	[illegible]	[illegible]
[illegible]	[illegible]	1012	M	3	21	[illegible]
[illegible]	[illegible]	[illegible]	F	3	[illegible]	[illegible]
3	[illegible]	1014	M	3	30	[illegible]
[illegible]	[illegible]	-2001	F	3	25	[illegible]
[illegible]	[illegible]	2002	M	[illegible]	30	[illegible]
[illegible]	[illegible]	[illegible]	F	3	21	[illegible]
4	[illegible]	2001	F	[illegible]	28	[illegible]
12	[illegible]	300	F	3	[illegible]	[illegible]
13	[illegible]	4100	M	6	[illegible]	[illegible]
6	[illegible]	[illegible]	F	3	[illegible]	[illegible]
[illegible]	[illegible]	515	F	3	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	F	3	[illegible]	[illegible]
11	[illegible]	1022	M	6	[illegible]	[illegible]
[illegible]	[illegible]	1013	F	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	1021	F	6	150	1
[illegible]	[illegible]	3004	F	3	85	[illegible]
[illegible]	[illegible]	.010	F	3	[illegible]	[illegible]
[illegible]	[illegible]	2010	M	6	[illegible]	[illegible]
10	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	F	6	[illegible]	[illegible]
[illegible]	[illegible]	2010	[illegible]	6	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

check I.D. on 0440 from field data

File No: 83.C.5.1.2.16-28
1028

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

inyon Juniper - North Slope
rid Name ~~Hunting Club~~ Grid C Sample Period July 1975 Trap Night 2

ate, time traps set ~~1500~~ 1430 25 July '75 Date, time traps checked 1100 27 July '75

toe clip # used on previous day 3200 13 Field Analyst(s) Sanz, Savidge

roject 83 13 QA Check RPM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
2	PEMA	2122	F	A	23	I	
-2	EUMI	0204	M	A	U	U	Got away while putting in weigh bag
-2	SPLA	3300N	F	A	155	I	
-2	EUMI	3003	F	A	31	U	
K-2	EUMI	1013	F	J	21	I	
L-2	EUMI	3400N	F	J	27	U	
L-11	SPLA	4001N	M	A	145	I	
L-12	PETR	1300	M	A	22	A	Enlarged Testes
K-13	NECI	4300	M	J	74	I	
K-11	PEMA X	0440	F	A	27	A	swollen nipples see ~~??~~ night 4
K-8	EUMI	1100	F	A	37	A	" "
-4	EUMI	4002N	M	J	22	I	
1 3	PEMA	2001	M	A	17	D	
-5	SPLA	4003N	M	J	104	I	
-13	SPLA	4004N	M	A	121	I	
A-12	PEMA	0111	F	A	25	A	End of lactation
A-13	PEMA	0-25	M	A	—	D	
1-11	PEMA	1403	F	A	21	A	swollen nipples
-10	SPLA	1405	M	A	185	U	
-4	SPLA	3300	M	A	187	I	
-4	~~EUMI~~ EUQU	2005	M	A	53 old	I	(see may data) rom ~~??~~
-3	PEMA	3200	F	A	20	U	
-3	EUQU	4015N	F	A	55	I	

ey taxonomic characters, physical condition of animal, etc.

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pf 1 of 2

File No: 83.C.5.1.2.16-29

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper-North Slope

Grid Name ~~[illegible]~~ Grid C Sample Period JULY 75 Trap Night 2

Date, time traps set (~~[illegible]~~ 1430) 26 July 75 Date, time traps checked (1100) 27 July 75

La[illegible] toe clip # used on previous day 1031 Field Analyst(s) Sam . Savidge

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
C-1	EUMI	3002	M	A	35	I	—
D-1	EUMI	0100	M	A	U	I	escaped from weigh bag
J-1	EUMI	1032N	F	A	30	I	—
L-1	EUMI	1033 N	F	A	36	I	—
M-2	EUMI	0019	F	A	36	I	—
M-3	EUMI	1034 N	M	A	30	I	—
M-4	SPLA	1042N	F	A	154	I	—
M-6	NECI	1043N	F	U	U	I	escaped from weigh bag
L-13	PETR	1400	F	A	37	A	lactating
J-7	EUMI	1004	M	J	U	I	— U
I-5	EUMI	3020	F	A	31	I	—
J-3	EUMI	1012	M	J	25	I	—
F-[illegible]	EUMI	1044N	F	J	28	I	—
F-7	SPLA	4400	M	A	154	I	—
D-10	SPLA-	1023	F	J	92	I	—
D-8	PETR -	3010	F	A	22	A	lactating
D-3	SPLA	1045N	M	A	138	I	—

*Key taxonomic characters, physical condition of animal, etc.

ECI

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                              [illegible]

                                       PROJECT [illegible]
                                       DATA ENTERED ONTO TAPE BY TOM [illegible]
VEG. TYPE -NORTH [illegible]            GRID-C     SAMP. PERIOD-  4
TRAP NIGHT-  2    DATE-[illegible]
DATA COLLECTED BY [illegible]
------------------------------------------------------------------------------
     CAPTURE    [illegible]  [illegible]  TOECLIP   SEX   AGE     WEIGHT  [illegible]
     LOCATION                   #           #             CLASS   (GM)    [illegible]
------------------------------------------------------------------------------
  1   H-  2     P[illegible]     5           122     M     A        22       1
  2   K- 11     P[illegible]     5           440     F     A        27       A
  3   H-  3     P[illegible]     5          3001     M     A        17       I
  4   A- 12     P[illegible]     5           111     F     A        25       A
  5   A- 13     P[illegible]     5            25     M     A         U       D
  6   A- 11     P[illegible]     5          1403     F     A        21       A
      B-  8     P[illegible]     5          3200     F     A        20       U
      F-  2     E[illegible]     3           204     M     A         U       U
      J-  2     [illegible]      3          3003     F     J        31       I
      K-  [illegible] [illegible] 3         1013     F     J        21       I
      L-  2     [illegible]   [illegible]   3400     F     J        27       U
      K-  8     [illegible]   [illegible]   1100     F     A        37       A
      K-  4     [illegible]   [illegible]   4002     M     J        22       I
      C-  [illegible] [illegible] 3         3002     M     U        35       I
      J-  [illegible] [illegible] 3          100     M     A         U       I
      J-  [illegible] [illegible] 3         1032     F     U        30       I
      L-  [illegible] [illegible] 3         1033     F     A        36       I
      M-  2     [illegible]      3            44     F     A        36       I
      M-  3     [illegible]      3          1034     M     A        30       I
      J-  7     [illegible]      3          1014     M     J         U       I
      I-  5     [illegible]      3          3030     F     J        31       I
      J-  3     [illegible]      3          1012     M     J        25       I
      F-  4     [illegible]      3          1044     F     J        28       I
      H-  2     S[illegible]     1          3300     F     A       155       I
      L-  1     S[illegible]     1          4001     M     A       145       I
      C-  5     S[illegible]     1          4003     M     J       104       I
      B- 13     S[illegible] [illegible]    4004     M     A       121       I
      B- 10     S[illegible] [illegible]    1405     M     A       135       I
      A-  4     S[illegible] [illegible]    3310     M     A       187       I
      A-  4     S[illegible] [illegible]    1042     F     A       154       J
      J- 18     S[illegible] [illegible]    1020     F     J        92       I
      D-  3     S[illegible] [illegible]    1015     M     A       128       I
[illegible]                                 1400     M     A       154       I
[illegible]                                 1300     M     A        22   [illegible]
[illegible]                                 1400     F     A        27   [illegible]
[illegible]                                 1050     F     A        22   [illegible]
[illegible]                                 1300     M     J        74       I
[illegible]                                 1043     F     J         U   [illegible]
[illegible]                      4          2005     M     A        53   [illegible]
[illegible]                                 1005 [illegible] [illegible] [illegible] [illegible]
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File No: 83.C.5.1.2.16-30

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper North Slope
Grid Name ~~Hunt Club P.J.~~ Grid C Sample Period July 75 Trap Night 3

Date, time traps set ~~[illegible]~~ 1100 27 July 75 Date, time traps checked (1200) 28 July 75

L[illegible] toe clip # used on previous day 1095 Field Analyst(s) Sam, Sandar

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-1	EUMI	1051 N	M	J	26	I	—
C-1	EUMI	1052 N	F	A	30	I	—
D-1	EUMI	1053 N	M	A	30	I	—
J-1	EUMI	1012	M	A	34	I	—
L-1	SPLA	3300	F	A	145	I	—
M-2	EUMI	4200	M	A	26	I	—
M-3	EUMI	1054 N	M	A	23	I	—
M-9	SPLA	1042	F	A	U	I	escaped from weigh bag
J-12	PETR	1400	F	A	26	A	teats swollen, pregnant
J-6	SPLA	1015	F	A	104	I	—
H-13	SPLA	1154 N	M	A	158	I	—
E-9	PEMA	1055 N	M	A	U	I	escaped from bag
E[illegible]	PEMA	0111	F	A	23	A	lactating
E-4	SPLA	3040	M	A	120	I	—
B-8	EUQU	1020	M	A	44	I	h.f. 30 mm., ran up tree
B-12	EUQU	1101 N	F	A	70	A	pregnant (readily) 32 [illegible]
A-13	PEMA	1102 N	M	J	14	I	—

*Key taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name ~~Hunting Club P.J.~~ Pinyon Juniper North Slope Grid C Sample Period July 1973 Trap Night 3

Date, time traps set ~~---~~ 1100 27 July 1975 Date, time traps checked 1200 28 July 1975

L toe clip # used on previous day 4C05 Field Analyst(s) Sanz, Savidge

Project 83 QA Check RM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
A-2	PEMA	4012N	F	A	25	A	Swollen vulva
F-2	PEMA	3005	F	A	23	A	Pregnant
H-2	EUMI	3003	F	A	30	I	
J-2	EUMI	4020N	M	J	28	I	
L-6	SPLA	3004	F	J	77	I	
L-8	SPLA	4030N	M	A	141	I	
L-12	NECI	4300	U	J	68	I	
K-12	PETR	1300	M	A	22	A	Enlarged testes
K-8	SPLA	1011	F	U	102	I	
K-4	EUMI	1100	F	A	38	A	swollen nipples
I-4	EUMI	1013	F	A	20	D°	
I-5	EUMI	4002	M	J	26	I	
[illegible]	-SPLA	4003	M	U	102	I	
F-7	PEMA	4340N	M	A	17	I	
C-4	SPLA	1045	F	A	121	I	
C-12	SPLA	1022	M	A	155	I	
A-12	EUQU	4050N	F	A	42	D°	
A-11	SPLA	4004	M	A	116	I	
A-10	EUMI	0134N	M	J	26	I	
A-8	SPLA	0135N	F	A	135	I	
A-4	SPLA	1031	F	A	146	I	

* Key taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT [illegible]
DATA CHECKED ONCE [illegible] BY TOM S[illegible]BERT

[illegible] NORTH SLOPE [illegible]
[illegible] DATE [illegible]
[illegible]

GRID-C SAMP. PERIOD- 4

#	GRID LOCATION		SPECIES	CODE #	TOECLIP #	SEX	AGE CLASS	WEIGHT (GM)	REPRO STAT
1	B-	1	EJMI	3	1051	M	J	26	I
2	C-	1	EJMI	3	1052	F	A	30	I
3	D-	1	EJMI	3	1053	M	A	30	I
4	J-	1	EJMI	3	1012	M	J	U	I
5	M	[illegible]	EJMI	3	4200	M	J	26	I
6	M-	[illegible]	EJMI	3	1054	M	A	29	I
7	[illegible]	2	EJMI	3	3003	F	J	30	I
8	J-	[illegible]	EJMI	3	4020	[illegible]	[illegible]	26	I
9	[illegible]	[illegible]	EJMI	3	1100	F	[illegible]	30	A
10	I-	4	EJMI	[illegible]	1013	F	J	20	I
11	[illegible]	[illegible]	EJMI	3	1002	M	J	26	I
12	A-	15	EJMI	[illegible]	134	M	J	26	I
13	L-	1	SPLA	1	3500	F	A	145	I
14	M-	4	SPLA	1	1042	F	A	U	I
15	J-	6	SPLA	1	1015	F	J	104	I
16	H-	3	SPLA	1	1154	M	A	158	I
17	E-	4	SPLA	1	3040	M	A	120	I
18	L-	6	SPLA	1	3004	F	J	77	I
19	L-	6	SPLA	1	4030	M	A	141	I
20	K-	8	SPLA	1	1011	F	J	102	I
21	G-	10	SPLA	1	4003	M	J	102	I
22	C-	[illegible]	SPLA	1	1045	M	[illegible]	121	I
23	C-	[illegible]	SPLA	1	1022	M	A	[illegible]	I
24	A-	[illegible]	SPLA	1	4004	M	A	[illegible]	I
25	H-	8	SPLA	[illegible]	135	F	A	[illegible]	[illegible]
26	H-	4	SPLA	1	1031	F	A	[illegible]	[illegible]
27	J-	12	PSTR	6	1400	F	[illegible]	26	A
28	I-	12	PEIR	6	[illegible]	M	[illegible]	22	A
29	E-	9	PEMA	5	1055	[illegible]	[illegible]	U	I
30	E-	8	PEMA	5	111	[illegible]	[illegible]	25	[illegible]
31	A-	[illegible]	PEMA	5	1102	M	J	14	[illegible]
32	H	[illegible]	PEMA	[illegible]	4010	F	A	25	[illegible]
33	F-	[illegible]	PEMA	[illegible]	[illegible]	[illegible]	[illegible]	23	M
34	[illegible]	1	PEMA	5	[illegible]	M	U	17	[illegible]
[illegible]	C-	6	EJMI	4	[illegible]	M	[illegible]	44	I
[illegible]	[illegible]	12	EJMI	[illegible]	[illegible]	[illegible]	[illegible]	76	M
[illegible]	[illegible]	[illegible]	EJMI	4	[illegible]	F	[illegible]	42	U
[illegible]	I	2	HE[illegible]	[illegible]	[illegible]	M	J	48	

File No: 83.C.5.1.2.16-32

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Pinyon Juniper North Slope

id Name ~~Hunting Club P.J.~~ Grid C Sample Period July 1975 Trap Night 4

time traps set ~~[illegible] 1975~~ 1200 7/28 Date, time traps checked 1000 29 July 1975

ist toe clip # used on previous day 1102 Field Analyst(s) Sanz, Savidge

QA Check RAM 8/1

oject 83

pt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional Notes*
1-2	SPLA	1103N	M	A	156	I	
S-2	EUMI	1052	F	A	34	I	
D-2	PEMA	4040	M	J	16	I	
E-2	SPLA	3300	F	A	142	I	
X-12	PETR	1400	F	A	31	A	Pregnant V 11
K-10	PEMA	0440	F	A	27	A	
F-4	SPLA	3040	M	A	123	I	
S-4	SPLA	4400	M	A	146	I	
G-6	SPLA	1015	F	J	108	I	
E-7	EUMI	0014	F	A	36	I	
F-11	EUMI	1104N	F	I	28	I	
[illegible]	PEMA	3050	F	A	22	A	Swollen nipples
D-7	EUDO	1105N	M	A	49	I	
C-3	EUMI	1044	F	J	26	I	
C-11	SPLA	1023	F	J	94	I	
-13	SPLA	1022	M	A	142	I	
A-12	SPLA	1201N	F	A	134	I	
A-11	SPLA	4000	M	UA	110	I	
A-8	SPLA	1202N	M	A	186	I	
A-3	SPLA	1203N	M	A	134	I	

*Key taxonomic characters, physical condition of animal, etc.

File No: 83C 512.16 -33

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon Juniper / North Slope

Grid Name ~~[illegible]~~ Grid C Sample Period July 75 Trap Night 4

Date, time traps set ~~(1500) 28 July 75~~ Date, time traps checked (1000) 29 July 75

toe clip # used on previous day 0141 (1200 7/28) Field Analyst(s) Sem, Savage

Project QA Check RAM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
-1	PEMA	3200	F	A	18	A	Pregnant
-1	EUMI	1032	F	A	30	I	
-1	SPLA	3010	M	J	99	I	—
-1	SPLA	4030	M	A	134	I	—
1-2	EUMI	1033	F	A	31	I	—
M-4	PEMA	3005	F	A	24	A	swollen nipples, prob. preg. [illegible]
M-6	NECI	1043	F	U	91	I	—
M-12	SPLA	0142 N	F	A	116	I	—
J-13	PETR	1300	M	A	20	I	—
J-9	PEMA	0430	F	A	U	A	appears pregnant. escaped
J-7	SPLA	1011	F	U	91	I	—
H-3	EUMI	1014	M	J	20	I	—
I-	EUMI	1012	M	J	22	I	—
I-5	EUMI	1100	F	A	34	I	—
H-6	SPLA	4003	M	A	102	I	—
E-4	SPLA	1045	M	A	134	I	—
B-3	SPLA	0143N	F	A	U	I	escaped from weigh bag
B-6	SPLA	0144N	M	A	142	I	—
A-10	EUMI	0145 N	M	A	29	I	—
A-4	EUQU	1025	F	A	42	I	—
							—

*Key taxonomic characters, physical condition of animal, etc.

ECI

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 43
DATA ENTERED INTO TAPE BY TOM SEIBERT

VEG. TYPE--NORTH [illegible] GRID-C SAMP. PERIOD- 4
TRAP NIGHT- [illegible]
DATA COLLECTED BY [illegible]

#	COORD. LOCATION	SPECIES	CODE #	TOECLIP #	SEX	AGE CLASS	WEIGHT (GM)	REPRO STAT
1	A- 2	SPLA	1	[illegible]	M	A	156	I
2	F- 2	SPLA	1	3000	F	A	142	I
3	F- 4	SPLA	1	3024	M	A	122	I
4	G- 4	SPLA	1	4400	M	A	146	I
5	G- 6	SPLA	1	1015	F	J	108	I
6	C- 11	SPLA	1	[illegible]	F	J	94	I
7	J- 10	SPLA	1	1022	M	A	142	I
8	A- 11	SPLA	1	[illegible]	F	A	134	I
9	[illegible]	SPLA	1	[illegible]	M	A	110	I
10	I- 8	SPLA	1	[illegible]	M	A	[illegible]	I
11	H- [illegible]	SPLA	1	1007	M	A	134	I
12	[illegible] 1	SPLA	1	3000	M	J	[illegible]	I
13	L- 1	SPLA	1	4003	M	A	134	I
14	M- 12	SPLA	1	142	F	A	116	I
15	J- 7	SPLA	1	1011	F	J	91	I
16	H- 6	SPLA	1	4003	M	J	102	I
17	E- 4	SPLA	1	[illegible]	M	A	134	I
18	B- 3	SPLA	1	[illegible]	F	A	0	I
19	E- 6	SPLA	1	144	M	A	142	I
20	B- 2	EUMI	3	1012	F	A	34	I
21	[illegible] 7	EUMI	3	14	F	A	36	I
22	F- [illegible]	EUMI	3	1004	F	U	26	I
23	C- 3	EUMI	3	1044	F	J	26	I
24	J- 1	EUMI	3	1002	F	U	30	I
25	M- 2	EUMI	3	1003	F	A	31	I
26	H- 3	EUMI	3	[illegible]	M	J	20	I
27	I- 4	EUMI	3	1012	M	J	22	I
28	[illegible] 5	EUMI	3	1100	F	A	34	A
29	[illegible] 16	EUMI	3	145	M	A	25	I
30	[illegible] 2	PEMA	5	4006	M	[illegible]	16	I
31	[illegible] 15	PEMA	5	[illegible]	F	A	27	[illegible]
32	J- [illegible]	PEMA	5	[illegible]	F	A	0	[illegible]
33	C- [illegible]	PEMA	5	[illegible]	F	A	18	[illegible]
34	[illegible] 4	PEMA	5	[illegible]	F	A	24	[illegible]
35	[illegible] 12	PEMA	5	[illegible]	F	A	31	[illegible]
36	[illegible] 13	PEMA	5	[illegible]	M	A	20	[illegible]
37	[illegible]	PEMA	5	[illegible]	F	A	22	[illegible]
38	[illegible] 7	[illegible]	4	[illegible]	M	[illegible]	49	
39	[illegible]	[illegible]	4	[illegible]	F	A	42	
40	[illegible]	[illegible]	7	[illegible]	F	J	91	

File No: 83.C.5.1.2.16-34

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Piñyon-Juniper North Slope

rid Name ~~[illegible] P.J.~~ Grid C Sample Period JULY 75 Trap Night 5

ate, time traps set ~~[illegible] Jul 75~~ 1000 7/29 Date, time traps checked (1200) 30 July 75

r toe clip # used on previous day 1203 Field Analyst(s) Sam Snider

roject 83 QA Check RAM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-1	EUMI	1051	M	U	26	I	Subadult
-1	EUMI	4100	M	U	27	I	"
-1	EUMI	4001	M	U	26	I	"
-1	EUMI	1032	F	U	27	I	"
-1	EUMI	1204N	F	A	30	I	
'-1	PEMA	1205 N	M	A	18	I	
-1	SPLA	3010	M	U	102	I	subadult
4-1	PEMA	1301 N	M	U	15	I	"
4-4	SPLA	1302 N	M	A	133	I	—
4-6	SPLA	4030	M	A	128	I	—
J-13	SPLA	4400	M	A	142	I	—
J-11	PEMA	0420	F	A	29	A	Pregnant
[illegible]	EUMI	1014	M	J	22	I	
H-9	SPLA	1015	F	U	96	I	
I-5	EUMI	1012	M	U	22	I	
H-13	SPLA	1023	F	U	83	I	
F-13	PETR	1400	F	A	28	A	Pregnant
D-8	PEMA	0111	F	A	20	A	swollen nipples
D-7	EUMI	1303N	F	U	28	I	—
C-8	PEMA	2005	F	A	U	A	Dupe?? swollen nipples, open vulva

ey taxonomic characters, physical condition of animal, etc.

File No: 83C51216-35

202

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Pinyon-Juniper North Slope

id Name Hunting Club Grid C Sample Period July 1975 Trap Night 5

te, time traps set ~~(0900)~~ 1000 29 July 1975 Date, time traps checked (1200) 30 July 75

s[illegible]oe clip # used on previous day 0145 Field Analyst(s) Sanz, Saunders

oject 83 QA Check RDM 8/1

t.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
2	PEMA	0151N	M	A	16	I	
2	PEMA	0122	M	A	29	A	enlarged scrotum
2	SPLA	3300	F	A	129	I	almost dead
-4	SPLA	3004	F	J	90	I	
-8	NECI	1043	F	J	87	I	
-10	SPLA	1011	F	J	85	I	
-12	NECI	4300	M	J	64	I	
-10	PEMA	0152N	M	A	15	I	
-4	EUMI	1044	F	J	24	I	
5	SPLA	1045	M	A	110	I	
5	SPLA	3040	M	A	107	I	
7	CUF[illegible]	1100	F	A	35	U	
0	SPLA	4003	M	A	107	I	
8	[illegible]	1403	F	A	23	A	enlarge nipples
5	PEMA	4040	M	A	13	I	
6	SPLA	1021	M	A	125	I	
13	SPLA	4004	M	A	105	T	

y taxonomic characters, physical condition of animal, etc.

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               SMALL MAMMAL LIVE TRAPPING DATA

                         PROJECT 83
                         DATA ENTERED ONTO TAPE BY TOM SEIBERT

VEG. TYPE--NORTH SLOPE [illegible]      GRID-C    SAMP. PERIOD-  4
TRAP NIGHT-  5     DATE [illegible]
DATA COLLECTED BY SAM [illegible]
------------------------------------------------------------------------------------
      CAPTURE     SPECIES    CODE     TOECLIP    SEX    AGE       WEIGHT    REPRO
 #    LOCATION                 #         #              CLASS      (GM)     STAT
------------------------------------------------------------------------------------

      A-  1       EJM        3        1053       M      J          26
      B-  1       EJM        3        4100       M      J          27        I
      C-  1       EJM        3        4001       M      J          26        I
      D-  1       EJM        3        1032       F      J          27        I
      J-  1       EJM        3        1204       F      J          30        I
      K-  2       EJM        3        1014       M      J          22        I
      A-  3       EJM        3        1012       M      J          22        I
      D-  2       EJM        3        1303       F      J          28        I
      G-  4       EJM        3        1044       F      J          24        I
      F-  1       EJM        3        1100       F      A          35        U
      K-  1       PSM        5        1205       M      A          18        I
      M-  1       PSM        5        1301       M      J          15        I
      J- 11       PSM        5         420       M      A          29        A
      D-  8       PSM        5         111       F      A          20        A
      A-  8       PSM        5        2005       F      A           U        U
      A-  2       PSM        5         151       M      A          16        I
      B-  2       PSM        5         122       M      A          29        A
      K- 10       PSM        5         152       M      A          15        I
      E-  8       PSM        5        1403       F      A          23        A
      E-  5       PSM        5        4040       M      J          13        I
      L-  1       SPLA       1        3010       M      J         102        I
      H-  4       SPLA       1        1302       M      A         133        I
      M-  6       SPLA       1        4030       M      A         128        I
      J- 13       SPLA       1        4400       M      J         142        I
      H-  4       SPLA       1        1015       F      J          98        I
      H- 13       SPLA       1        1023       F      J          83        I
      J-  2       SPLA       1        3300       F      A         129        I
      L-  4       SPLA       1        3004       F      A          80        I
      L- 10       SPLA       1        1011       F      J          85        I
      G-  5       SPLA       1        1045       M      A         110        I
      F-  5       SPLA       1        3040       M      A         107        I
      E-  6       SPLA       1        4003       M      J         167        I
      C-  6       SPLA       1        1021       M      J         125        I
      C- 13       SPLA       1        1004       M      J         105        I
      F- 13       [illegible] [illegible] 1400     F      [illegible] [illegible] [illegible]
      L-  8       [illegible] [illegible] 1043     F      [illegible] [illegible] [illegible]
      [illegible] [illegible] [illegible] 1500     M      J       [illegible]
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File No: 83.C.5.1.2.17-27
102

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Sagebrush Grid D Sample Period July 75 Trap Night 1

Date, time traps set 26 July - 1600 Date, time traps checked 27 July 1130

st toe clip # used on previous day 1045 Field Analyst(s) McGuire/ Aronson

Project RBOSP-83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
M-6	PEMA	1044N	F	A	21	I	
M-8	PEMA	1045N	F	A	31	I	
L-13	PEMA	1051N	M	A	22	A	
K-2	PEMA	2020	M	A	26	A	
K-3	PEMA	1052N	F	A	19	I	
K-12	SPLA	1053N	F	A	219	I	
J-2	PEMA	1021	M	A	23	A	covered w̄ ticks - #1 [illegible]
H-8	PEMA	2040	F	A	28	U	Red vagina - Not lactating
F-2	PEMA	1054N	M	A	22	A	

y taxonomic characters, physical condition of animal, etc.

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File No: RC5121738
2002

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Sagebrush Grid D Sample Period July 75 Trap Night 1

Date, time traps set 7/26/75 4 PM Date, time traps checked 7/27/75 11:00 AM

toe clip # used on previous day 2002 Field Analyst(s) McClanahan / [illegible]

oject RBOSP QA Check RDM 8/1

	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
2	SPLA	3003N	F	A	227	I	
3	EUMI	3004N	F	A	41	I	
1	SPLA	3005N	M	A	167	I	
2	PEMA	3010N	F	J	17	I	
3	PEMA	3020N	F	A	19	I	
1	P[illegible]A	3030N	F	A	25	M	
1	P[illegible]	1021	F	A	22	I	

*Key taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 83
DATA ENTERED [illegible] TOM SEIBERT

[illegible] GRID-B SAMP PERIOD- [illegible]
[illegible]
[illegible]

	CAPTURE LOCATION	SPECIES	CODE #	TOECLIP #	SEX	AGE CLASS	WEIGHT (GM)	REPRO STAT
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	21	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	31	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	[illegible]	[illegible]	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	A
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	0
[illegible]	[illegible]	[illegible]	[illegible]	2010	[illegible]	J	[illegible]	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	15	1
[illegible]	[illegible]	[illegible]	5	3030	F	A	25	A
[illegible]	[illegible]	[illegible]	5	1021	F	A	22	1
[illegible]	[illegible]	[illegible]	1	1003	F	[illegible]	219	1
[illegible]	[illegible]	S-18	1	2003	F	A	227	1
[illegible]	[illegible]	[illegible]	1	2005	[illegible]	A	107	1
[illegible]	[illegible]	[illegible]	1	[illegible]	F	A	41	1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Sagebrush Grid D Sample Period July 75 Trap Night 2

Date, time traps set 26 July 75 2PM Date, time traps checked 7/27 1130 28 July 75 2

L toe clip # used on previous day 3030 Field Analyst(s) McGuire/Arenson

Project RBOSP-83 Box wt = 13 gr. QA Check RAm 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
B-2	PEMA	0042	F	A	29	A	Pregnant
-1	SPLA	3041	M	A	172	I	I
-8	EUMI	3030	M	A	36	I	—
-11	EUMI	[illegible]	M	F	29	I	—
D-1	EUMI	3120	F	A	30	I	—

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* Key taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2072

id Name Sagebrush Grid D Sample Period July 75 Trap Night 2

te, time traps set 2PM / 26 July 75 Date, time traps checked 28 July 75 PM

s' toe clip # used on previous day 1054 (7/27 1130) Field Analyst(s) McGuire / Aronson

oject RBOSP·83 Bag wt - 14 gm QA Check RHM 8/1

t.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
-2	EUMI	1055M	M	A	31	I	
6	PEMA	2020	M	A	23	A	testes descended
13	PEMA	1101N	F	A	·20	U	[illegible]
2	PEMA	1052	F	A	19	I	
1	PEMA	1102N	M	A	18	A	testes descended
4	PEMA	2049	F	A	25	T	
13	EUMI	1103N	F	A	29	I	
13	EUMI	1104N	F	A	31	I	
12	PEMA	1021	F	A	20	T	

*Key taxonomic characters, physical condition of animal, etc.

ecology consultants, inc.

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] CLASS	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	.2	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	2020	[illegible]	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]
[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	A	26	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	172	1
[illegible]	[illegible]	[illegible]	[illegible]	50	[illegible]	A	36	1
[illegible]	[illegible]	[illegible]	[illegible]	3050	[illegible]	A	29	1
[illegible]	[illegible]	[illegible]	[illegible]	3106	[illegible]	A	32	1
[illegible]	[illegible]	[illegible]	[illegible]	1055	[illegible]	A	31	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	29	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A	31	1

[illegible]

File No: 83 C3.1.2.17

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

id Name Sagebrush Grid D Sample Period July 1975 Trap Night 3

ate, time traps set ~~26 July 75 / 2PM~~ 7/28 1400 Date, time traps checked 29 July 75 11:0

) toe clip # used on previous day 3100 Field Analyst(s) McGuire/Aronson

oject RBOSP- 83 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
T	SPLA	3040	M	A	175	I	
13	SPLA	3003	F	A	206	I	
11	PEMA	1021	F	A	20	I	Prob 1020 not ano.?
3	PEMA	10[illegible]	[illegible]	A	19	A	

*Key taxonomic characters, physical condition of animal, etc.

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File No: 15C 3.12 17-32

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

d Name Sagebush Grid D Sample Period July 1975 Trap Night 3

e, time traps set 26 July 75 12 PM. Date, time traps checked 11:20AM 29 July 75

7/29 1400

oe clip # used on previous day 1104 Field Analyst(s) McGuire / Aronson

ject RBOSP- 83 QA Check RMM 8/1

t. .	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
6	PEMA	1055	F	A	28	U	Red vagina - May be preg
11	SPLA	1105N	M	A	160	I	
3	PEMA	1101	F	A	18	I	
3	EUMI	1201N	F	A	35	I	
-1	EUMI	0013	M	A	40	I	
-2	PEMA	0020	M	A	24	U	Testes not descended much
-6	PEMA	2040	F	A	24	I	
-13	SPLA	1202N	F	A	172	I	

*y taxonomic characters, physical condition of animal, etc.

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[illegible] LIVE TRAPPING DATA

[illegible]
[illegible] BY TOM [illegible]

[illegible]                          GRID 6      SAMP. PERIOD   4
[illegible]
[illegible]

 CAPTURE      SPECIES   CODE      TOE CLIP    SEX   AGE        WEIGHT    [illegible]
 LOCATION               #         #                 CLASS      (GM)

 [illegible]  [illegible]  [illegible]  [illegible]  M  [illegible]  175   [illegible]
 [illegible]  [illegible]  [illegible]  30[illegible]3  F  [illegible]  [illegible]  [illegible]
 [illegible]  [illegible]  [illegible]  1105  M  [illegible]  166   [illegible]
 [illegible]  [illegible]  [illegible]  1202  F  [illegible]  172   [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]  F  [illegible]  20    [illegible]
 [illegible]  [illegible]  5            [illegible]  M  [illegible]  15    [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]  F  [illegible]  [illegible]  [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  15  [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  24  0
 [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  24  [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  35  [illegible]
 [illegible]  [illegible]  [illegible]  13           [illegible]  [illegible]  46  [illegible]
```

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

6 of 2

rid Name Sagebrush ~~[illegible]~~ Grid D Sample Period July 1975 Trap Night 4

ate, time traps set 28 Jul 75 Date, time traps checked 11AM 30 JUL 75

7/29 1120

a toe clip # used on previous day 3?? Field Analyst(s) [illegible] / [illegible]

roject RB??-?3 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
-3	SPLA	3002N	F	A	135	I	
D-8	SPLA	3500N	F	A	205	I	
-2	PEMA	3020	F	A	26	A	pregnant
-2	EUMI	3400N	F	J	27	I	
-11	EUMI	3050	M	A	30	I	
-9	SPLA	4001N	F	A	155	I	
-6	PEMA	4002N	F	J	10	I	
/							

ey taxonomic characters, physical condition of animal, etc.

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Sagebrush 7000'

id Name [illegible] Grid D Sample Period [illegible] 1975 Trap Night 11

te, time traps set 26 Jul, 75 Date, time traps checked 11 AM [illegible]

7/29 1120

s toe clip # used on previous day 1202 Field Analyst(s) [illegible]

oject RBOSP-53 QA Check ROM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
6	PEMA	1005	F	A	25	U	Redvacina
4	SPLA	1203N	F	A	172	I	
-11	SPLA	[illegible]	F	A	220	I	
-13	SPLA	1204N	M	A	170	I	
-12	SPLA	2050	M	A	210	I	
-4	EUMI	1205N	F	A	30	I	
-2	PEMA	2020	M	A	25	A	Desc. testes
1-6	PEMA	2040	F	A	25	A	Vag. open - ved
-13	EUMI	1301N	M	A	29	I	
-13	EUMI	1302N	M	A	29	I	

ey taxonomic characters, physical condition of animal, etc.

ECI

ecology consultants, inc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT 63
                                   DATA ENTERED INTO TAPE BY TOM [illegible]

VEG. TYPE - [illegible]                         GRID-D     SAMP. PERIOD- [illegible]
TRAP NIGHT - [illegible]   DATE [illegible]
DATA COLLECTED BY NC [illegible]

--------------------------------------------------------------------------------------
        CAPTURE    [illegible]  [illegible]   TAG/CLIP    SEX    [illegible]  WEIGHT   [illegible]
  #     LOCATION                    #            #                [illegible]  (GMS)    [illegible]
--------------------------------------------------------------------------------------

  1     [illegible]  [illegible]    1        [illegible]   F      [illegible]   12[illegible]  [illegible]
  2     [illegible]  [illegible]  [illegible] [illegible] [illegible] [illegible] 20[illegible]  [illegible]
  3     [illegible]  [illegible]  [illegible] [illegible] [illegible] [illegible] [illegible]  [illegible]
  4     [illegible]  [illegible]  [illegible] [illegible]003 [illegible] [illegible] [illegible] [illegible]
  5     [illegible]  [illegible]  [illegible]   3002       F      [illegible]   230      [illegible]
  6     [illegible]  [illegible]  [illegible] [illegible]504  M   [illegible]   170      I
  7     [illegible]  [illegible]  [illegible]   3[illegible]58  M  [illegible]  210      I
  8     [illegible]  [illegible]  [illegible]   3004       F      [illegible]    26      0
  9     [illegible]  [illegible]  [illegible]   4002       F      [illegible]    16      I
 10     [illegible]  [illegible]      5       [illegible]005  F  [illegible]    25      0
 11     [illegible]  [illegible]  [illegible] [illegible]  M      [illegible]    25      [illegible]
 12     [illegible]  [illegible]  [illegible] [illegible]  F      [illegible]    25      [illegible]
 13     [illegible]  [illegible]  [illegible] [illegible]  F      [illegible]    27      I
 14     [illegible]  [illegible]  [illegible] [illegible]  F      [illegible]    30      I
 15     [illegible]  [illegible]  [illegible] [illegible]  F      0             36      I
 16     [illegible]  [illegible]  [illegible] [illegible]  F      [illegible]    29      I
 17     [illegible]  [illegible]  [illegible] [illegible]  L      [illegible]    29      I
```

File No: [illegible]

Sagebrush

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name [illegible] Grid D Sample Period July 1975 Trap Night 5

ate, time traps set 7/30 1100 [illegible] Date, time traps checked 0900 31 July 75

s toe clip # used on previous day 1302 Field Analyst(s) McGuire / Aronson

oject PB-SP-83 QA Check RDM 8/1

pt. c.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
3	EUMI	1304N	M	A	30	I	
1	EUMI	1305N	F	A	41	I	
3	PEMA	1045	F	A	28	U	
-8	SPLA	1401N	F	A	170	I	
13	EUMI	1103	F	U	30	I	
8	PEMA	1402N	M	A	17	I	Ticks
-5	SPLA	2245N	M	A	154	I	
-6	PEMA	2040	F	A	26	I	
-12	PEMA	4603N	F	J	17	I	
-3	PEMA	0042	F	A	23	I	
-2	PEMA	4604N	F	A	20	I	
-6	LACU	[illegible]	F	A	20	I	23mm tail
-	SPLA	4010N	F	A	156	I	
12	PEMA	1054	M	A	21	I	
-8	SPLA	3005	M	A	157	I	
-7	SPLA	4020N	M	A	197	I	

ey taxonomic characters, physical condition of animal, etc.

ECI

ecology consultants, inc.

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT [illegible]
DATA ENTERED ON TAPE BY [illegible]

[illegible]
[illegible] GRID-[illegible] SAMP. PERIOD- 4
[illegible]
[illegible]

#	CAPTURE LOCATION	SPECIES	CODE #	TAG/CLIP #	SEX	AGE CLASS	WEIGHT (GM)	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]004	M	A	38	1
2	[illegible]	[illegible]	[illegible]	1305	F	A	41	1
3	[illegible]	[illegible]	[illegible]	1103	F	A	36	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]05	F	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	A	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	20	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]03	F	J	17	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	12	F	A	26	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]14	F	A	21	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	A	21	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]01	F	A	170	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	A	154	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F	A	156	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	M	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]0	M	[illegible]	[illegible]	1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]5	F	A	20	[illegible]

File No: 83 C 5.1.2.18-
1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Mixed Brush Grid E Sample Period July 75 Trap Night 1

Date, time traps set 25 July 1975 / 1100 Date, time traps checked 26 July 75 / 0910

Last toe clip # used on previous day 0440 Field Analyst(s) J. Baker

Project 83 QA Check RJM 9/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
J-2	Eumi	0015	F	A	36	D	—
J-8	Eumi	2004	F	A	35	U	nipples only slightly enlarged
M-12	Eumi	0430	F	A	44	A	lactating - nipples enlarged
K-8	Pema	0450N	M	A	26	I	—
G-5	Pema	1001N	M	U	16	I	—
D-13	Pema	0440	F	A	36	A	pregnant (wt. was checked twice)
4-13	Eumi	1040	F	A	44	A	pregnant - nipples enlarged

*Key taxonomic characters, physical condition of animal, etc.

ECI

File No: 83C5/2.18-27
20f2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Mixed Brush Grid E Sample Period 1/1/25 Trap Night 1

Date, time traps set 1100 25 July 75 Date, time traps checked 0910 26 July 1975

t toe clip # used on previous day 3200 Field Analyst(s) REYES

Project 83 QA Check RM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
J-12	PEMA	3300N	F	A	19	A	lactating
J-11	PEMA	3400N	F	A	25	A	lactating
J-8	PEMA	4001N	F	A	20	I	none
E-6	PEMA	4002N	M	A	17	A	Descended testes
C-12	PEMA	1050	M	A	20	A	Descended testes
C-2	PEMA	4003N	F	A	24	A	Pregnant
~~A-2~~	EUMI	0050	M	A	32	A	Descended testes
A-2	EUMI	0405	M	A	35	U	none
A-3	PEMA	1200	F	A	25	A	lactating
A-4	PEMA	4004N	M	A	15	A	Descended Testes

*Key taxonomic characters, physical condition of animal, etc.

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                              [illegible] MAMMAL [illegible] DATA

                                        PROJECT [illegible]
                                        DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                                          GRID E     SAMP. PERIOD:  4
[illegible]
[illegible]

     [illegible]   [illegible]   [illegible]     [illegible]   [illegible]   AGE      WEIGHT   [illegible]
     [illegible]                   [illegible]       #                       CLASS     (GM)

 [illegible]  [illegible]  [illegible]   2        -15        F           A         36       [illegible]
 [illegible]  [illegible]  [illegible]   3       2604        F           A         35       [illegible]
 [illegible]  [illegible]  [illegible]  [illegible]   430    [illegible] [illegible]  44    [illegible]
 [illegible]  [illegible]  [illegible]   2       1040    [illegible] [illegible]   44       [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]0 [illegible] [illegible] 32  [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]05 [illegible] [illegible] 35 [illegible]
 [illegible]  [illegible]  [illegible] [illegible]  [illegible]00  F    [illegible]    26    [illegible]
 [illegible]  [illegible]  [illegible] [illegible]  1001   [illegible] [illegible]     16    [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]40   F  [illegible]      36    [illegible]
 [illegible]  [illegible]  [illegible]   3     [illegible]     F   [illegible]         19    [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]  [illegible] [illegible] 25   [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]1    F  [illegible]      20    [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]   [illegible] [illegible] 17  [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]   F    [illegible]      [illegible] [illegible]
 [illegible]  [illegible]  [illegible] [illegible] [illegible]   F    [illegible]      24    [illegible]
 [illegible]  [illegible]  [illegible]   5     [illegible]       F  [illegible]        [illegible] [illegible]
 [illegible]  [illegible]  [illegible]   5     [illegible]  [illegible] [illegible]    [illegible] [illegible]
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File No: 83.C 5.1.2.18-2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Mixed Brush Grid E Sample Period Jul/75 Trap Night 2

Date, time traps set 0910 26 July 1975 Date, time traps checked 0915 27 July 1975

l toe clip # used on previous day 1004 Field Analyst(s) REYES

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
M11	EUMI	2003	F	A	41	A	Lactating
M4	EUMI	4005N	F	A	45	A	Lactating
M2	PEMA	4010N	F	A	25	A	Lactating
G5	PEMA	4020N	M	A	20	A	swollen testes
H5	EUMI	4030N	M	J	16	I	—
D3	SPLA	4040N	M	A	149	I	—
D10	EUMI	4050	M	J	19	I	—
D13	EUMI	1403N	F	A	43	A	Lactating
A1	PEMA	1100	M	A	21	A	TD
B-3	EUMI	2405	M	A	23	I	—

*Key taxonomic characters, physical condition of animal, etc.

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Mixed Brush Grid E Sample Period July 95 Trap Night 2

Date, time traps set 26 July 0910 Date, time traps checked 27 July 0915

L[illegible] toe clip # used on previous day 1001 Field Analyst(s) BAKER

Project 83 QA Check RDM 6/11

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
J-4	PEMA	1002N	F	A	21	A	Lactating
J-8	PEMA	1003N	F	A	21	A	Pregnant
J-10	PEMA	2001	M	A	18	I	—
J-12	PEMA	3300	F	A	18	I	—
F-12	PEMA	1050	M	A	21	A	descended testes
E-9	PEMA	0450	M	U	14	U	descended testes but [illegible]
F-6	EUMI	1004N	F	A	37	A	Lactating
E-6	PEMA	4002	M	A	16	I	—
F-3	SPLA	U	U	U	U	U	escaped
C-4	PEMA	0120	F	A	24	A	Lactating
C-8	EUMI	1005N	M	U	21	U	no vascularization of scrote but animal [illegible]
C-12	EUMI	1010N	M	A	27	I	—
A-[illegible]	EUMI	1020N	F	A	41	A	Lactating
A-10	PEMA	1030N	F	J	16	I	duplicate toe clip used ?? see last sampling

*Key taxonomic characters, physical condition of animal, etc.

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                      SMALL MAMMAL LIVE TRAPPING DATA

                                    PROJECT [illegible]
                                    DATA ENTERED ONTO TAPE BY TOM SEIBERT

[illegible]                                   GRID-E      SAMP. PERIOD- 4
[illegible]
[illegible]

--------------------------------------------------------------------------------------------

        CAPTURE    SPECIES   CAGE        TOECLIP     SEX    AGE        WEIGHT    REPRO
   #    LOCATION              #            #                (J,A)      (GMS)     COND
--------------------------------------------------------------------------------------------

   1    [illegible] [illegible] 5        [illegible]   F      A        41        A
   2    [illegible] [illegible] 5        [illegible]   [illegible] [illegible] [illegible] A
   3    [illegible] [illegible] 5        [illegible]   M      [illegible] [illegible] [illegible]
   4    [illegible] [illegible] 5        [illegible]   M      [illegible] [illegible] [illegible]
   5    [illegible] [illegible] 5        [illegible]   F      A        [illegible] [illegible]
   6    [illegible] [illegible] 5          405         M      A        25        [illegible]
   7    [illegible] [illegible] 5         1044         [illegible] A   37        A
   8    [illegible] [illegible] 5         1005         M      [illegible] 23     [illegible]
   9    [illegible] [illegible] [illegible] 5010       M      A        27        [illegible]
  10    [illegible] [illegible] [illegible] 1004       F      A        41        [illegible]
  11    [illegible] [illegible] [illegible] 4010       F      A        25        [illegible]
  12    [illegible] [illegible] 5         4010         M      A        20        A
  13    [illegible] [illegible] [illegible] 1008       M      A        21        A
  14    [illegible] [illegible] [illegible] 5002       F      4        21        [illegible]
  15    [illegible] [illegible] [illegible] 1003       F      A        13        [illegible]
  16    [illegible] [illegible] 5        [illegible]   M      [illegible] [illegible] [illegible]
  17    [illegible] [illegible] 5         5000         F      [illegible] [illegible] [illegible]
  18    [illegible] [illegible] [illegible] 1003       M      A        [illegible] [illegible]
  19    [illegible] [illegible] [illegible] [illegible] M     [illegible] [illegible] [illegible]
  20    [illegible] [illegible] 5         4002         M      [illegible] [illegible] [illegible]
  21    [illegible] [illegible] [illegible] [illegible] F     A        [illegible] [illegible]
  22    [illegible] [illegible] 5        [illegible]   [illegible] [illegible] 12
  23    [illegible] [illegible] [illegible] 4000       M      [illegible] [illegible]
```

File No: B.C.5.1.2.1 D-

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Mixed Brush Grid E Sample Period [illegible]; 75 Trap Night 3

Date, time traps set 0915 27 July Date, time traps checked 28 July / 0900

Last toe clip # used on previous day 4050 Field Analyst(s) [illegible]

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
L-10	EUMI	4100N	F	U	23	I	small size but no vascul. of cranium
J-3	LACU	1011 N	M	U	17	I	
I-7	LACU	4200N	F	A	22	I	
J-10	PEMA	0140	F	A	34	A	pregnant (wt. is correct)
J-12	PEMA	2001	M	A	21	A	testes descended
F-13	PEMA	1050	M	A	18	U	testes only slightly desc.
F-12	PEMA	4300N	F	A	19	I	
F-9	EUMI	4400N	M	U	20	I	small but no vascular. of cran.
E-6	SPLA	1012N	F	A	131	I	—
C-1	PEMA	4003	F	A	25	A	Pregnant
C-4	EUMI	3040	F	A	38	A	Pregnant - [illegible].
A-13	EUMI	1040	F	A	33	A	Lactating

*Key taxonomic characters, physical condition of animal, etc.

File No: BC 5.12.18-3

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Mixed Brush Grid E Sample Period July '75 Trap Night 3

Date, time traps set 0915 27 July 1975 Date, time traps checked 0900 28 July 1975

Last toe clip # used on previous day 1403 Field Analyst(s) REYES

Project 563 QA Check RIM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
M-11	EUMI	2000	F	A	42	A	lactating
M-6	EUMI	1405N	F	A	37	I	~~nipples swollen~~ none
H-9	PEMA	0111N	F	J	11	I	none
G-5	SPLA	0112N	M	A	147	I	none
D-7	EUMI	0113N	F	A	34	I	none
D-9	EUMI	4050	M	J	23	I	none
A-3	EUMI	0114N	M	J	22	I	In none
A-3	EUMI	0115N	M	J	23	I	same trap none
A-4	EUMI	1005	M	J	21	I	none

ey taxonomic characters, physical condition of animal, etc.

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SMALL MAMMAL LIVE TRAPPING DATA

                    PROJECT [illegible]
                    DATA ENTERED ONTO TAPE BY TOM [illegible]

VEG. TYPE- [illegible] GRID- C     SAMP. PERIOD- 4
TRAP NIGHT- [illegible]   DATE- [illegible]
DATA COLLECTED BY [illegible]
```

#	CAPTURE LOCATION	SPECIES	CODE #	IDENT #	SEX	AGE CLASS	WEIGHT (GR.)	REPR STAT
1	L-[illegible]	[illegible]	3	[illegible]00	F	U	23	I
2	F-[illegible]	[illegible]	3	4400	M	U	20	I
3	C-4	[illegible]	3	3040	F	A	30	A
4	H-10	[illegible]	3	1040	F	A	33	A
5	M-11	[illegible]	3	2003	F	A	42	A
6	[illegible]	[illegible]	3	1403	F	A	37	I
7	D-[illegible]	[illegible]	3	113	F	A	34	I
8	B-[illegible]	[illegible]	3	4050	M	J	25	I
9	A-[illegible]	[illegible]	3	114	M	J	22	I
10	A-[illegible]	[illegible]	3	115	M	J	23	I
11	[illegible]	[illegible]	3	1005	M	J	21	I
12	[illegible]	[illegible]	11	1017	M	U	17	I
13	[illegible]	[illegible]	11	4250	F	A	21	I
14	[illegible]	[illegible]	5	140	F	A	34	A
15	[illegible]	[illegible]	5	[illegible]	M	A	31	A
16	[illegible]	[illegible]	5	1050	M	A	[illegible]	A
17	[illegible]	[illegible]	5	4300	F	A	[illegible]	I
18	L-[illegible]	[illegible]	5	4003	F	A	21	A
19	H-[illegible]	[illegible]	5	111	F	J	11	I
20	C-[illegible]	[illegible]	1	1017	F	A	13[illegible]	I
21	[illegible]	[illegible]	1	112	M	A	14[illegible]	I

File No: 83C 3.1.2.P-[illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 2

Grid Name Mixed Brush Grid E Sample Period Jul '75 Trap Night 4

Date, time traps set 7/28 0900 Date, time traps checked 29 Jul. 1975 [illegible]

Last toe clip # used on previous day 0115 Field Analyst(s) REYES

Project 83 RBOSP QA Check ROM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
-1	EUMI	0121N	M	A	31	I	none
I-8	PEMA	0450	M	A	14	A	none
J-10	PEMA	0122N	M	J	10	I	none
J-12	EUMI	0123N	F	A	30	I	none
-13	PEMA	0124N	F	A	14	I	none
-12	PEMA	2001	M	A	18	A	none
E-9	PEMA	0125N	M	A	14	A	none
F-1	PEMA	1100	M	A	23	A	none
C-2	SPLA	0131N	F	A	135	I	none
C-4	EUMI	0132N	F	A	22	I	none
C-12	EUMI	1404	F	A	38	U	lactating a preg?
A-2	EUMI	0133N	M	A	27	I	none

*taxonomic characters, physical condition of animal, etc.

File No: 03.C3.7.2.15

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET 2 of 2

rid Name Mixed Birch Grid E Sample Period July '75 Trap Night 4

ate, time traps set 28 July 0900 Date, time traps checked 29 July 0900

oe clip # used on previous day 1012 Field Analyst(s) BAKER

roject RBOSP QA Check RAM 8/1

pt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
1-11	EUMI	1013N	F	J	23	I	—
-1	SPLA	1014N	F	A	176	I	—
-3	SPLA	1015N	M	A	197	I	
-5	PEMA	1021N	M	A	19	I	
-13	EUMI	1010	M	A	26	I	
-12	MILO	1022N	F	A	29	I	[illegible]

Key taxonomic characters, physical condition of animal, etc.

ECI
ecology consultants, inc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                PROJECT 8[illegible]
                                DATA ENTERED ONTO TAPE BY TOM [illegible]

TRAP TYPE--MIXED DRUM                GRID-E     SAMP. PERIOD-  4
TRAP NIGHT-  4     DATE  1/29/7[illegible]
DATA COLLECTED BY REX  BAKER

        CAPTURE    SPECIES   CODE      TOE CLIP    SEX    AGE      WEIGHT    REP.
  #     LOCATION               #          #               CLASS     (GM)     STAT

  1      L-  1    [illegible]   3          121       M      A         31       I
  2      J- 12    [illegible]   3   [illegible]      F      U         30       I
  3      C-  4    [illegible]   3          122       F      A         22       I
  4      C- 12    [illegible]   3         1404       F      A         38       U
  5      A-  2    [illegible]   3          133       M      A         27       I
  6      M- 11    [illegible]   3         1013       F      J         23       I
  7      B- 13    [illegible]   3         1018       M      A         26       I
  8      I-  8    [illegible]   5   [illegible]      M      A         19       U
  9      J- 10    [illegible]   5   [illegible]      M      J         10       I
 10      F- 13    [illegible]   5          124       F      A         14       I
 11      F- 12    [illegible]   5         2001       M      A         18       A
 12      E-  9    [illegible]   5          125       M      A         14       A
 13      F-  1    [illegible]   5         1100       M      A         23       A
 14      B-  5    [illegible]   5   [illegible]      M      A         15       I
 15      C-  2    [illegible]   1   [illegible]      F      A        135       I
 16      D-  1    [illegible]   1   [illegible]      F      A        177       I
 17      A-  3    [illegible]   1         1015       M      A        197       I
 18      H- 13    [illegible]  10   [illegible]      F      A         25       I
```

File No: BC 3.1.2.18 31

ufo2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Name Mixed Brush Grid E Sample Period July '75 Trap Night 5

, time traps set 29 July 0900 Date, time traps checked 30 July 0900

clip # used on previous day 1022 Field Analyst(s) BAKER

ect RBOSP QA Check Rmn 81

Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
PEMA	4005	F	[illegible]	31	A	Lactating
[illegible]	1023N	F	J	9	I	—
PEMA	1024N	F	A	35	I	—
PEMA	1025V	F	J	13	I	—
[illegible]	[illegible]	F	A	179	I	—
[illegible]	[illegible]	[illegible]	[illegible]	102	I	—
PEMA	1032V	M	A	32	I	—
PEMA	1033V	F	J	20	I	—
PEMA	1034V	F	J	20	I	—
PEMA	1035V	F	A	24	I	
PEMA	1041V	F	A	34	A	Lactating

y taxonomic characters, physical condition of animal, etc.

ECI

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File No: 83C51218-35

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name Mixed Brush Grid E Sample Period July 1975 Trap Night 5

ate, time traps set 29 July 1975 0917 Date, time traps checked 30 July 75 [illegible]

t toe clip # used on previous day 0133 Field Analyst(s) [illegible]

roject 83 QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
-4	EUMI	0121	M	A	30	I	none
F-5	PEMA	0111	F	J	14	I	died in trap
J-11	EUMI	0122	F	J	23	I	none
F-13	PEMA	1050	M	A	22	A	none
F-9	EUMI	4400	M	U	25	I	none
F-8	SPLA	0134N	M	A	184	I	none
C-6	SPLA	0125N	F	A	159	I	none
C-11	EUMI	1040	F	A	35	A	lactating, [illegible]

*Key taxonomic characters, physical condition of animal, etc.

ECI

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```
                         [illegible] DATA

                              PROJECT NO.
                              DATA ENTERED INTO TAPE BY TOM [illegible]

[illegible]                         [illegible]    SAMP. PERIOD-  4
[illegible]          :      DATE: [illegible]
DATA COMPILED : BY [illegible]

       GANGION   [illegible]   CODE      LENGTH    SEX   AGE       WEIGHT    [illegible]
  #    LOCATION                           ( )            CLASS      (GM)      STG.

  1     B-  [illegible]  [illegible]  1   [illegible]   F   A     34     6
  2     B- 13   [illegible]   1    1064     [illegible]   A     35     1
  3     D-  7   E[illegible]  [illegible]   1082   [illegible]   A   31   [illegible]
  4     [illegible]  [illegible]  [illegible]  [illegible]  [illegible]  J   26   [illegible]
  5     D-  1   E[illegible]  [illegible]  1054   F   I   16   [illegible]
  6     H-      [illegible]  [illegible]  1035   F   J   24   [illegible]
  7     A-  3   E[illegible]  [illegible]  1041   F   A   34   1
  8     L-  4   E[illegible]  [illegible]  [illegible]   [illegible]   A   38   [illegible]
  9     J- 11   [illegible]  [illegible]  [illegible]  F   U   23   1
 10     [illegible]  LAR[illegible]  [illegible]  1000   [illegible]   A   27   [illegible]
 11     C- 12   E[illegible]  [illegible]  1010   F   A   [illegible]   [illegible]
 12     B-  [illegible]  [illegible]  [illegible]  1023   F   J   5   [illegible]
 13     H- [illegible]  [illegible]  [illegible]  1035   F   J   11   1
 14     [illegible]  [illegible]  [illegible]  [illegible]  [illegible]   F   J   10   [illegible]
 15     [illegible]  [illegible]  [illegible]  1050   [illegible]   A   22   [illegible]
 16     [illegible]  S[illegible]  [illegible]  1001   F   [illegible]   139   [illegible]
 17     [illegible]  S[illegible]  [illegible]  1000   [illegible]  [illegible]  143   1
 18     F-  [illegible]  S[illegible]  [illegible]  [illegible]  [illegible]  [illegible]  14[illegible]  [illegible]
 19     [illegible]  S[illegible]  [illegible]  [illegible]  [illegible]  [illegible]  15[illegible]  [illegible]
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File No: 83C.5.1.2.19-3
6 of 7

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Douglas Fir Grid F Sample Period July 25 Trap Night 1
Date, time traps set 25 July | 1330 Date, time traps checked 26 July | 1130
t toe clip # used on previous day ~~0302~~ 0023 Field Analyst(s) BAKER
Project 83 QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
D-10	CLGA	2040	F	A	24	I	
F-10	EUMI	0024N	F	A	45	A	pregnant -
H-11	EUMI	0025N	F	A	escaped	A	pregnant

* Key taxonomic characters, physical condition of animal, etc.

File No: 83C5/216-23
2052

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Douglas Fir Grid F Sample Period Jul, 175 Trap Night 1

Date, time traps set 1330 25 July 75 Date, time traps checked 1130 26 July 75

Last toe clip # used on previous day ~~[illegible]~~ 0302 Field Analyst(s) REYES

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
E-7	CLGA	0303N	F	A	25	D	Pregnant - dead in trap
J-9	EUMI	0304N	M	A	35	A	Descended Testes

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*Key taxonomic characters, physical condition of animal, etc.

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT [illegible]
[illegible] GRID [illegible] TON [illegible]

[illegible]
[illegible] [illegible]
[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	I
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	[illegible]
5	[illegible]	[illegible]	[illegible]	35	[illegible]	[illegible]	0	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35	[illegible]

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name [illegible] Grid F Sample Period July '75 Trap Night 2

Date, time traps set 26.vii.75 1130 Date, time traps checked 27.vii.75 1125

Last toe clip # used on previous day 0025 Field Analyst(s) [illegible]

Project 73 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional Notes*
D10	EUMI	0301	F	A	47	A	lactating
D9	EUMI	0031	M	A	36	I	—
E-11	EUMI	1300	M	A	33	I	—

*Key taxonomic characters, physical condition of animal, etc.

File No: 83.C 5.12.11-25

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Douglas Fir Grid F Sample Period July '75 Trap Night 2

Date, time traps set 1130 26 July 1975 Date, time traps checked 1120 27 July 1975

toe clip # used on previous day 0304 Field Analyst(s) REYES

Project 83 QA Check RDM 8/1

apt. .oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
5-9	CLGA	2000	F	A	27	A	Lactating

*Key taxonomic characters, physical condition of animal, etc.

[illegible]

[illegible]

	CAPTURE LOCATION	[illegible]	[illegible]	[illegible]	SEX	AGE CLASS	WEIGHT (GM)	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

File No: 83.C 3.1.2.19-26

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

rid Name Douglas Fir Grid F Sample Period 1,1,75 Trap Night 3

ate, time traps set 1120 27 July Date, time traps checked 1102 28 July 75

toe clip # used on previous day 0304 Field Analyst(s) Reyes

roject 83 QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
5-5	EUMI	0031	M	A	37	I	none
H-5	CLGA	0305N	M	J	11	I	none
I-9	CLGA	0401N	F	A	15	I	none

Key taxonomic characters, physical condition of animal, etc.

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File No: 83.0 51.2 19-27

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2052

Grid Name Douglas Fir Grid F Sample Period July '75 Trap Night 3

Date, time traps set 27 July 1120 Date, time traps checked 28 July 1100

I toe clip # used on previous day 0031 Field Analyst(s) BAKER

Project 83 QA Check eom 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
J-4	EUMI	0032N	F	A	21	A	Lactating
-4	EUMI	0301	F	A	47	A	Lactating
-2	CLGA	0033N	F	A	24	U	maybe pregnant

*Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL TRAPPING DATA

                                   PROJECT [illegible]
                                   DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                                     GRID-1     SAMP. PERIOD-  4
[illegible]                   [illegible]  [illegible]
[illegible]                   [illegible]  [illegible]

      [illegible]      [illegible]     [illegible]     [illegible]    [illegible]   [illegible]    [illegible]    [illegible]
      [illegible]                                                   [illegible]    [illegible]    [illegible]

                  [illegible]           [illegible]             31            M          M           [illegible]
                  [illegible]           [illegible]             32            G          A           20
                  [illegible]           [illegible]             300           F          A           [illegible]
                  [illegible]           [illegible]             305           M          A           23
                  [illegible]           [illegible]             461           F          A           15
                  [illegible]           [illegible]             30            F          A           24
```

File No: 83.C.5.1.2.17-27

(of 2)

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

ri Name [illegible] Grid F Sample Period July '75 Trap Night 4

ate, time traps set 28 Jul. 1100 Date, time traps checked 29 Jul. 1000

a toe clip # used on previous day 0023 Field Analyst(s) RP/EA

roject RBOSP QA Check RDM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
F-1	EUMI	1200	F	A	47	A	Lactating
F-12	EUMI	0024	F	A	41	A	Lactating
F-13	CLGA	0025	F	A	26	A	Pregnant

*Key taxonomic characters, physical condition of animal, etc.

File No: [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

rid Name Douglas Fir Grid F Sample Period July 75 Trap Night 4

ate, time traps set 7/28 1100 Date, time traps checked 29 July 75 10

a toe clip # used on previous day 0401 Field Analyst(s) REYES

roject 83 QA Check RAM 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
1-E	CLGA	0402N	F	A	16	I	none

ey taxonomic characters, physical condition of animal, etc.

ECI

ecology consultants, inc.

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                         [illegible] TAGGING DATA

                                 [illegible]

[illegible]                                  [illegible]
[illegible]
[illegible]

---------------------------------------------------------------------------------
       [illegible]     [illegible]   [illegible]    [illegible]    SEX    AGE      WEIGHT    [illegible]
                                                                       CLASS     (GMS)
---------------------------------------------------------------------------------
 [illegible]                                  1200          F      A        47
 [illegible]                                  [illegible]   F      A        4[illegible]
 [illegible]                                  [illegible]   F      A        2[illegible]
 [illegible]                                  [illegible]   F      A        1[illegible]
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File No: 83.C5.1.2.19-3[illegible]

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name [illegible] Fir Grid F Sample Period Jul '75 Trap Night 5

te, time traps set [illegible] Jul [illegible] Date, time traps checked [illegible] Jul [illegible]

Last toe clip # used on previous day 0025 Field Analyst(s) [illegible]

QA Check RDM 8/1

Project RBOSP

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
F-1	CLGA	0041N	F	A	20	I	—
G-4	CLGA	2004	F	A	24	A	Lactating
E-4	CLGA	0042N	M	A	22	A	descended testes
D-4	EUMI	0301	F	A	49	A	Pregnant
F-12	EUMI	0043N	F	U	25	I	—
A-10	EUMI	0024	F	A	48	A	pregnant

* Key taxonomic characters, physical condition of animal, etc.

File No: 83C 5/.3 19:21

2 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

id Name Douglas Fir Grid F Sample Period July 75 Trap Night 3

ate, time traps set 1040 29 July 1975 Date, time traps checked 1115 30 July 1975

a toe clip # used on previous day 0402 Field Analyst(s) [illegible]

roject 83 QA Check RBm 8/1

apt. oc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
-5	[illegible]	[illegible]	M	A	14	A	none
-5	EUMI	2030	M	A	35	J	none
-6	[illegible]	1031	M	A	36	I	[illegible]
-9	EUMI	1200	M	A	35	I	[illegible]

ey taxonomic characters, physical condition of animal, etc.

ECI

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                        SMALL MAMMAL LIVE TRAPPING DATA

                                PROJECT 63
                                DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                                       GRID-1      SAMP. PERIOD-  4
TRAP NIGHT-  [illegible]
DATA COLLECTED BY [illegible]

        GRID       [illegible]     [illegible]     TOECLIP     SEX    AGE       WEIGHT     [illegible]
        LOCATION                    4               0                  [illegible]   [illegible]   [illegible]

  1     B-  1      [illegible]      [illegible]       41        [illegible]   A      34        [illegible]
  2     C-  2      [illegible]      [illegible]     2084        F      A        29        [illegible]
  3     E-  1      [illegible]      [illegible]       42        M      A        22        [illegible]
  4     [illegible] 5  [illegible]  [illegible]      305        M      A        14        [illegible]
  5     D-  4      [illegible]      [illegible]      301        F      A        45        [illegible]
  6     E- 12      [illegible]      [illegible]       43        F      A        25        [illegible]
  7     H- 10      [illegible]      [illegible]       24        F      A        49        [illegible]
  8     [illegible] [illegible]     [illegible]     2440        M      A        35        [illegible]
  9     [illegible] [illegible]     [illegible]       31        M      A        32        [illegible]
 10     [illegible] [illegible]     2               1203        M      A        35        [illegible]
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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT 62
                                   DATA ENTERED [illegible] BY TOM [illegible]

[illegible]                                   GRID-1     SAMP. PERIOD- 6
TRAP NIGHTS- [illegible]
DATA COLLECTED BY [illegible]

        CAPTURE       [illegible]   [illegible]     TOECLIP      SX   AGE        WEIGHT    REPRO
        LOCATION                        #           #                 CLASS      (GM)      STAT

  1     [illegible]   [illegible]   [illegible]         41     [illegible]  [illegible]  24   [illegible]
  2     [illegible]   [illegible]   [illegible]       2004     F    A          29        [illegible]
  3     [illegible]   [illegible]   [illegible]         42     M    A          27        [illegible]
  4     [illegible] 5 [illegible]   [illegible]        005     M    [illegible]  14     [illegible]
  5     [illegible] 4 [illegible]   [illegible]        001     F    A          45        [illegible]
  6     [illegible] 12 [illegible]  [illegible]         40     F    A          25        [illegible]
  7     [illegible] 10 [illegible]  [illegible]         04     F    [illegible]  48     [illegible]
  8     [illegible]   [illegible]   [illegible]       2440     M    A          05        [illegible]
  9     [illegible]   [illegible]   [illegible]         31     M    A          32
 10     [illegible]   [illegible]   2                 1009     M    A          35        [illegible]
```

File No: 83C.3.1.2.20[illegible]

1 of 2

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Aspen Grid G Sample Period July '75 Trap Night 1

Date, time traps set 25 July ~~[illegible]~~ 1650 Date, time traps checked 26 July 1430

[illegible] toe clip # used on previous day 0305 Field Analyst(s) BAKER

Project 83 QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
F-1	CLGA	0202	F	A	29	A	Vaginal orifice open
H-3	CLGA	0401 N	M	J	15	I	
H-4	CLGA	0402 N	M	A	24	I	
D-10	EUMI	0103	F	A	46	A	~~[illegible]~~ lactating

*Key taxonomic characters, physical condition of animal, etc.

ECI

File No: B3C 51.2 30[illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

Grid Name Aspen Grid 6 Sample Period Jul, '75 Trap Night 1

Date, time traps set 25 July 1975 16:50 Date, time traps checked 26 July 1975 14:30

Last toe clip # used on previous day 4000 Field Analyst(s) PMES

Project 83 QA Check RAM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
H-5	CLGA	0005	F	A	~~27~~ 17	A	pregnant
H-8	CLGA	0011W	M	A	15	A/D	swollen testes [illegible]
F-6	CLGA	0012W	M	A	15	A	swollen testes [illegible]
E-9	CLGA	0002	F	A	30!	A	pregnant

*Key taxonomic characters, physical condition of animal, etc.

```
                         [illegible]

                                          [illegible]
   [illegible]
   HIGH     1      ON [illegible]                      GRID-G     SAMP. PERIOD
   COLLECTED BY DA [illegible]
```

File No: 83.C5.1.2.20

1 of 1

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name [illegible] Grid G Sample Period July 7[illegible] Trap Night —

Date, time traps set 26 July 1430 Date, time traps checked 27 July 1515

Last toe clip # used on previous day ____ Field Analyst(s) [illegible] / [illegible]

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
H-1	PEMA	0405N	M	JU	15	I	—
H-4	CLGA	0402	M	A	23	A	descended testes

*Key taxonomic characters, physical condition of animal, etc.

ECI

File No: [illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1 of 1

Grid Name Aspen Grid 6 Sample Period 1, 1, 75 Trap Night 3

Date, time traps set 1515 27 July 1975 Date, time traps checked 28 July 1975 1

st toe clip # used on previous day 0405 Field Analyst(s) BAKER / R

Project 83 RBOSP QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional* Notes
12	CLGA	0110N	F	A	16	I	
F-13	[illegible]	4000	[illegible]	A	[illegible]	A	Lactating

*Key taxonomic characters, physical condition of animal, etc.

ECI

ecology consultants, inc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                 PROJECT [illegible]
                                 DATA ENTERED [illegible] BY [illegible] SEIBERT

[illegible] --ASPEN                       [illegible]-6    [illegible] [illegible] 4
TRAP [illegible] 3    [illegible]
DATA COLLECTED [illegible] BY [illegible]

      CAPTURE      [illegible]    CAGE      TOECLIP    SEX    AGE      WEIGHT    REPRO
 #    LOCATION                 #          #                CLASS    (GM)      STAT

 1     [illegible]- 12    [illegible]         8         110       F      A        16        [illegible]
       [illegible]- 13    [illegible]         5        4500       F      A        46        [illegible]
```

File No: 83 C 51-2.20.24

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

1/2 1

Grid Name [illegible] Grid [illegible] Sample Period [illegible] 0-5 Trap Night

Date, time traps set [illegible] 1330 Date, time traps checked 29 [illegible]

Last toe clip # used on previous day 0150 Field Analyst(s) [illegible]

Project LBBEP Bog wt - 15 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
E-3	CLGA	0130 N	F	A	32	A	Pregnant
E-4	CLGA	0005	F	A	21	A	litter of 7 in trap
I-10	CLGA	0140 N	F	A	21	A	Pregnant
D-10	FUMI	0103	F	A	45	A	Pregnant

*Key taxonomic characters, physical condition of animal, etc.

ECI

File No: 805/[illegible]

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

Grid Name April Grid G Sample Period Jul. 1975 Trap Night 4

Date, time traps set 7/28 1330 Date, time traps checked 13 05 [illegible]

Last toe clip # used on previous day 0012 Field Analyst(s) REEVES

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
G-	CLGA	0013N	M	A	20	A	none
H-1	CLGA	0014N	M	J	10	I	none

* Key taxonomic characters, physical condition of animal, etc.

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                         SMALL MAMMAL LIVE TRAPPING DATA

                                   PROJECT [illegible]
                                   DATA ENTERED ONTO TAPE BY TOM SEIDERT

NO. TIMES USED                      GRID-6     SAMP. PERIOD-  4
TIME NIGHT     [illegible]     DATE-  [illegible]
DATA COLLECTED BY [illegible]

       COORDINATE    [illegible]        TAG       TOE CLIP   SEX    AGE      WEIGHT    REPRO
       LOCATION                  #          #               CLASS     (GM)     STAT

         F-  5     [illegible]   [illegible]   1[illegible]0      F      A        22        [illegible]
         G   4     [illegible]   [illegible]       5      F      A        21        [illegible]
         [illegible]-  8     [illegible]   [illegible]   1[illegible]0      F      A        [illegible]        A
         G-  5     [illegible]   [illegible]      13      M      A        [illegible]        A
         H-  6     [illegible]   [illegible]      14      M      J        [illegible]        [illegible]
         [illegible]-  [illegible]     [illegible]   [illegible]   [illegible]      F      A        [illegible]        [illegible]
```

File No: B.C.5.1.220-
182

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

Grid Name Acorn Grid 6 Sample Period July 75 Trap Night 5

Date, time traps set 1300 29 July 1975 Date, time traps checked 1310 30 July 19

Last toe clip # used on previous day 0012 Field Analyst(s) Reeves

Project 83 QA Check RDM 8/1

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status.	Additional* Notes
19	[illegible]	[illegible]	[illegible]	A	42	A	[illegible]

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*Key taxonomic characters, physical condition of animal, etc.

File No: 83 C.5.12.20.37

SMALL MAMMAL LIVE TRAPPING FIELD DATA SHEET

2 of 2

Grid Name Aspen Grid 6 Sample Period Jul, '75 Trap Night 5

Date, time traps set 1300 29 Jun 75 Date, time traps checked 30 Jun 1975 1300

L toe clip # used on previous day 0140 Field Analyst(s) BAKER

Project 83 QA Check

Capt. Loc.	Species	Toe Clip No.	Sex	Age Class	Animal Weight (gm)	Reprod. Status	Additional Notes*
J-F	CLGA	0150N	F	J	12	I	—
H-12	CLGA	0210N	M	J	13	I	—
I-13	CLGA	0020	F	A	U	A	pregnant - escaped
F-15	[illegible]	0153	F	A	46	A	pregnant
D-7	CLGA	0220	F	A	23	T	—

*Key taxonomic characters, physical condition of animal, etc.

ECI

SMALL MAMMAL LIVE TRAPPING DATA

PROJECT 03
DATA ENTERED AND DONE BY [illegible]

[illegible]   GRID: G   SAMP. PERIOD: 4
[illegible]
[illegible]

#	CAPTURE LOCATION	SPECIES	CODE #	TOECLIP #	SEX	AGE CLASS	WEIGHT (GM)	REPRO STAT
1	J- [illegible]	[illegible]	[illegible]	13	F	A	[illegible]	[illegible]
2	[illegible]- 10	[illegible]	[illegible]	103	F	A	[illegible]	[illegible]
3	[illegible]- 9	[illegible]	6	150	F	[illegible]	[illegible]	[illegible]
4	[illegible]- 12	[illegible]	[illegible]	210	M	[illegible]	[illegible]	[illegible]
5	[illegible]- 15	[illegible]	5	200	[illegible]	A	[illegible]	[illegible]
6	[illegible]- 7	[illegible]	2	220	F	A	[illegible]	[illegible]

REPRODUCTIVE STATUS DATA SHEET

Project 83 Date July 1975 Investigator [illegible]

Location [illegible] Habitat MIXED BRUSH ([illegible]

Capture Technique Snap - traps

Comments RDM 9/2/75

Species Peromyscus maniculatus

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	[illegible]	54	18	14	[illegible]		2	2			5 mm
B	[illegible]	65	19	17	[illegible]		[illegible]	2			18 mm
C	139	60	19	16	30		3	2			
D											
E											

Species Eutamias minimus

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	[illegible]	[illegible]	[illegible]	[illegible]	34	X					[illegible]
B											
C											
D											
E											

Species [illegible] — attacked by ants

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	[illegible]	45	[illegible]	17	[illegible]		3	1			[illegible]
B											
C											
D											
E											

53C.5.222-8

REPRODUCTIVE STATUS DATA SHEET

Project 83 Date July 1975 Investigator 83

Location T1S R41 S34 [illegible] Habitat Grassland - SMS (?)

Capture Technique SNAP - TRAP

Comments

Species Peromyscus maniculatus [illegible]

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	[illegible]	76	20	17	29		3	3	2	3	3 mm
B	167	70	19	17	24		2	3			
C	162	67	18	17	22				3	3	scars recent
D	164	77	20	17	29		4	4			10 mm
E	174	[illegible]	18	16	23		3	2			[illegible]

Species

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A											
B											
C											
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A											
B											
C											
D											
E											

RBOSP PROGRESS REPORT

83, C.5.2.2.2-57

ECI ecology consultants, inc.

REPRODUCTIVE STATUS DATA SHEET

Project 83 Date July 1975 Investigator REYES

Location T2S R100W SW1/4 SW1/4 Habitat Aspen (north slope / 8400')

Capture Technique Snap

Comments — Transcript of damaged OR original RDM 7/25/75

Species Microtus longicaudus

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A	163	55	18	11	32		3	1			
B	174	51	20	13	32		2	4			6mm
C	180	55	21	13	32		3	2			10 mm.
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A											
B											
C											
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos		Placental Scars		Comments
							R	L	R	L	
A											
B											
C											
D											
E											

83 C 5.2.2.2-10

REPRODUCTIVE STATUS DATA SHEET

Project 83 Date July 1975 Investigator REYES

Location [illegible] Habitat Pinyon-juniper (north facing)

Capture Technique Snap trap (6100')

Comments RDM 9/2/75

Species *Peromyscus maniculatus*

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	[illegible]	[illegible]	[illegible]	—	[illegible]				3	3	Lactating
B	162	70	20	17	30g	X					nulliparous
C											
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A											
B											
C											
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A											
B											
C											
D											
E											

83. C. 5. 2. [illegible]

REPRODUCTIVE STATUS DATA SHEET

Project 83 Date July 1975 Investigator REYES

Location T2S R99W S12 NW1/4 SE1/4 NW1/4 SE1/4 Habitat [illegible]

Capture Technique Snap-trap

Comments

Species *Peromyscus maniculatus* RDM 9/2/75

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	171	76	19	17	27				4	3	lactating
B	17[illegible]	7[illegible]	19	17	16				3	3	lactating
C											
D											
E											

Species *Eutamias minimus*

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A	191	79	33	14	38				4	3	lactating
B											
C											
D											
E											

Species

	TL	T	HF	E	grams	Inactive	Embryos R	Embryos L	Placental Scars R	Placental Scars L	Comments
A											
B											
C											
D											
E											

STOMACH ANALYSIS DATA SHEET

ecology consultants, inc.

B3 C 622.14-1

Project S3 Date July 1975 Investigator REYES

Location T2SR100W S34 1/4SE 1/4SW Habitat MIXED BRUSH

Capture Technique Snap-trap

Comments none

Species Peromyscus maniculatus

RMM 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S	I	S	I	S	11	S	Su	S	S	Su	21	S	Su	S	S	S	31	S	Su	S	I	S	41	S	[illegible]	S	S	S
2	S	Su	S	I	S	12	S	Su	S	S	S	22	S	Su	S	S	S	32	S	Su	S	V-h	Su	42	S	Su	S	S	S
3	S	Su	S	I	S	13	S	Su	S	S	S	23	S	Su	S	V-h	S	33	S	Su	S	S	S	43	S	Su	S	S	S
4	S	Su	S	S	S	14	S	Su	S	S	S	24	S	Su	S	S	S	34	S	Su	S	S	S	44	S	Su	S	S	S
5	S	Su	S	S	S	15	S	Su	S	S	S	25	S	Su	S	S	S	35	S	Su	S	V-h	S	45	S	Su	S	S	S
6	S	Su	S	S	S	16	S	Su	S	S	S	26	S	Su	S	S	S	36	S	Su	S	S	S	46	S	Su	S	S	S
7	Su	Su	S	S	S	17	S	Su	S	V-h	S	27	S	Su	S	I	S	37	S	Su	S	S	S	47	S	I	S	S	S
8	S	Su	S	S	S	18	S	Su	I	S	Su	28	S	Su	S	S	S	38	S	Su	S	S	S	48	S	S	S	S	S
9	S	Su	S	S	S	19	S	Su	S	S	S	29	[illegible]	[illegible]	[illegible]	S	S	39	Su	Su	S	S	S	49	S	S	S	S	S
10	S	Su	S	S	S	20	S	Su	S	S	S	30	S	S	I	S	S	40	Su	Su	S	S	S	50	S	Su	S	I	S

I* — internal parasite — worm

Measurements						
	Sex	TL	T	HF	D	grams
A	♀	153	65	17	14	26
B	♂	144	62	19	13	12
C	♀	140	59	18	14	22
D	♂	166	67	20	18	21
E	♀	139	60	19	16	30

ecology consultants, inc.

STOMACH ANALYSIS DATA SHEET

Project 83 Date July 1975 Investigator REYES
Location T2S R10W S3 1/4SE 1/4SW Habitat Mixed brush
Capture Technique Snap-trap
Comments none

Species Eutamias minimus

pm 9/2/75

RBOSP PROGRESS REPORT

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S					11	S					21	S					31	S					41	S				
2	S					12	S					22	S					32	S					42	S				
3	S					13	S					23	S					33	S					43	S				
4	S					14	S					24	S					34	S					44	S				
5	S					15	S					25	S					35	S					45	S				
6	S					16	S					26	S					36	S					46	S				
7	S					17	S					27	S					37	S					47	S				
8	S					18	S					28	S					38	S					48	S				
9	S					19	S					29	S					39	S					49	S				
10	S					20	S					30	S					40	S					50	S				

Measurements						
	Sex	TL	T	HF	E	grams
A	♀	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
B						
C						
D						

STOMACH ANALY[illegible] DATA SHEET

ecology c[illegible]sultants, Inc.

Project [illegible] Date July 1975 Investigator REUCS

Location [illegible] Habitat SAGE [illegible]

RBM 9/24/75

Capture Technique [illegible]

Comments

Species [illegible] maniculatus

RBOSP PROGRESS REPORT

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S					11	S					21	S					31	S					41	S				
2	S					12	S					22	S					32	S					42	S				
3	S					13	S					23	S					33	S					43	S				
4	S					14	S					24	S					34	S					44	S				
5	Su					15	S					25	S					35	S					45	S				
6	S					16	S					26	S					36	S					46	S				
7	S					17	S					27	S					37	Su					47	S				
8	S					18	S					28	S					38	S					48	S				
9	S					19	S					29	S					39	S					49	S				
10	S					20	S					30	S					40	I					50	S				

Measurements

	Sex	TL	T	HF	E	grams
A	♂	156	63	18	18	17
B						
C						
D						
E						

B3.05.2.3.1

STOMACH ANALYSIS DATA SHEET

ecology consultants, inc.

Project 83 Date July 1975 Investigator REVES

Location T15 [illegible] S34 NE¼ SW¼ Habitat Greasewood - Sage

Capture Technique Snap-trap

Comments specimens [illegible] food in stomachs – 2 more adults were analyzed

Species Peromyscus maniculatus

RBOCP PROGRESS REPORT 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S	S	S	S	S	11	S	S	S	S	S	21	Su	S	S	S	S	31	S	S	S	S	S	41	S	S	S	S	S
2	S	S	S	S	Su	12	S	S	S	S	S	22	S	S	S	S	S	32	S	S	S	S	S	42	S	S	S	S	S
3	S	S	S	S	S	13	S	S	S	S	S	23	S	S	S	S	Su	33	S	S	S	S	S	43	S	S	S	S	S
4	S	S	S	S	S	14	S	S	S	S	S	24	S	S	S	S	S	34	S	S	S	S	S	44	S	S	S	S	S
5	S	S	S	S	S	15	S	S	S	S	S	25	S	S	S	S	S	35	S	S	S	S	S	45	S	S	S	S	S
6	S	S	S	S	T	16	Su	S	S	S	S	26	S	S	S	S	S	36	S	S	S	S	S	46	S	S	S	S	S
7	S	S	S	S	S	17	S	S	S	S	S	27	S	S	S	S	S	37	S	S	S	S	S	47	S	S	S	S	S
8	S	S	S	S	S	18	S	S	S	S	S	28	S	S	S	S	S	38	S	S	S	S	S	48	S	S	S	S	S
9	S	S	S	S	S	19	S	S	S	S	S	29	S	S	S	S	S	39	S	S	—	S	S	49	S	S	S	S	S
10	S	S	S	S	S	20	S	S	S	S	S	30	S	S	S	S	S	40	S	S	S	S	S	50	S	S	S	S	S

Measurements

	Sex	TL	T	HF	E	grams
A	♂	169	73	20	16	[illegible]
B	♂	[illegible]	[illegible]	20	16	16
C	♀	[illegible]	53	20	16	17
D	♂	170	71	[illegible]	[illegible]	[illegible]
E	♂	[illegible]	[illegible]	19	15	[illegible]

STOMACH ANALYSIS DATA SHEET

ecology consultants, inc.

Project KB Date July, 1975 Investigator REYES
Location T2S R100W S15 SW1/4 SW1/4 Habitat ASPEN
Capture Technique Snap-trap
Comments B-stomach empty
Species Microtus longicaudus

RBOSP PROGRESS REPORT

TPM 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	Su	Su	Su	Su	Su	11	Su	Su	Su	Su	Su	21	Su	Su	Su	S	Su	31	Su	S	Su	Su	Su	41	Su	S	Su	Su	Su
2	Su	Su	Su	Su	Su	12	Su	Su	Su	Su	Su	22	Su	Su	Su	Su	Su	32	Su	Su	Su	Su	Su	42	Su	Su	Su	Su	Su
3	Su	Su	Su	Su	Su	13	Su	Su	Su	Su	Su	23	Su	Su	Su	Su	Su	33	Su	Su	Su	Su	Su	43	Su	Su	Su	Su	Su
4	Su	Su	Su	Su	Su	14	Su	S	Su	Su	Su	24	Su	Su	Su	Su	Su	34	Su	S	Su	Su	Su	44	Su	Su	Su	Su	Su
5	Su	Su	Su	Su	Su	15	Su	Su	Su	Su	Su	25	Su	Su	Su	Su	Su	35	Su	Su	Su	Su	Su	45	Su	Su	Su	Su	Su
6	Su	Su	Su	S	Su	16	Su	S	Su	Su	Su	26	Su	Su	Su	Su	Su	36	Su	S	Su	Su	Su	46	Su	S	Su	Su	Su
7	Su	Su	Su	Su	Su	17	Su	Su	S	Su	Su	27	Su	Su	Su	Su	Su	37	Su	Su	Su	Su	Su	47	Su	Su	S	Su	Su
8	Su	S	Su	Su	Su	18	Su	Su	Su	Su	Su	28	Su	S	Su	Su	Su	38	Su	Su	Su	Su	Su	48	Su	Su	Su	Su	Su
9	Su	Su	Su	Su	Su	19	Su	Su	Su	Su	Su	29	Su	Su	Su	Su	Su	39	Su	S	Su	Su	Su	49	Su	Su	Su	Su	Su
10	Su	Su	Su	Su	Su	20	Su	Su	S	Su	Su	30	Su	Su	Su	Su	Su	40	Su	Su	Su	Su	Su	50	Su	Su	Su	Su	Su

Measurements						
	Sex	TL	T	HF	D	grams
A	♀	[illegible]	55	18	11	[illegible]
B	♂	[illegible]	41	20	12	6.5
C	♂	[illegible]	[illegible]	19	[illegible]	26
D	♀	[illegible]	45	19	no ears	15
E	♀	[illegible]	41	18	11	[illegible]

J3C 5.2 ? 1/4 3

coology consult

STOMACH ANALYSIS DATA SHEET

Project 83 Date July 1975 Investigator REYES

Location T[illegible] SW1/4 SW 1/4 Habitat Pinyon - juniper (woodland)

Capture Technique Snap-trap

Comments

Species Peromyscus maniculatus

RBOSP PROGRESS REPORT

RDM 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S	S				11	S	S				21	S	S				31	S	S				41	S	S			
2	S	S				12	S	S				22	S	S				32	S	S				42	S	S			
3	S	S				13	S	S				23	S	S				33	S	S				43	S	S			
4	S	S				14	S	S				24	S	S				34	S	S				44	S	S			
5	S	S				15	S	S				25	S	S				35	S	S				45	S	S			
6	S	S				16	S	S				26	S	S				36	S	S				46	S	S			
7	S	S				17	S	S				27	S	S				37	S	S				47	S	S			
8	S	S				18	S	S				28	S	S				38	S	S				48	S	S			
9	S	S				19	S	S				29	S	S				39	S	S				49	S	S			
10	S	S				20	S	S				30	S	S				40	S	S				50	S	S			

Measurements

	Sex	TL	T	HF	E	grams
A	[illegible]	168	72	18	no ears	63
B	[illegible]	162	70	20	17	33

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STOMACH ANALYSIS DATA SHEET

Project 83 Date July 1975 Investigator R.EYES

Location T2S R33W NW¼ SE¼ Habitat Pinyon - juniper (south-facing)

Capture Technique snap trap

Comments

Species Eutamias minimus

RBOSP PROGRESS REPORT

RDM 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1	S					11	S					21	S					31	S					41	S				
2	S					12	S					22	S					32	S					42	S				
3	S					13	S					23	S					33	S					43	S				
4	S					14	S					24	S					34	S					44	S				
5	S					15	S					25	S					35	S					45	S				
6	S					16	S					26	S					36	S					46	S				
7	S					17	S					27	S					37	S					47	S				
8	S					18	S					28	S					38	S					48	S				
9	S					19	S					29	S					39	S					49	S				
10	S					20	S					30	S					40	S					50	S				

Measurements

	Sex	TL	T	HF	E	grams
A	♀	[illegible]	[illegible]	[illegible]	14	[illegible]
B						
C						
D						

STOMACH ANALYSIS DATA SHEET

Project 83 Date July 1975 Investigator Reeves

Location [illegible] Habitat Pinyon-juniper (south-facing)

Capture Technique snap-trap

Comments

Species Peromyscus maniculatus

RBOSP PROGRESS REPORT · RBM 9/2/75

	A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E		A	B	C	D	E
1		S	Su			11		S	S			21		S	Su			31		S	S			41		S	Su		
2		S	Su			12		S	S			22		S	Su			32		S	S			42		S	Su		
3		S	Su			13		S	S			23		S	S			33		S	S			43		S	Su		
4		S	S			14		S	Su			24		S	S			34		S	S			44		S	Su		
5		S	S			15		S	Su			25		S	S			35		S	S			45		S	S		
6		S	Su			16		S	Su			26		S	S			36		S	Su			46		S	S		
7		S	S			17		S	S			27		S	Su			37		S	Su			47		S	S		
8		S	S			18		S	S			28		S	S			38		S	Su			48		S	S		
9		S	S			19		S	Su			29		S	S			39		S	Su			49		S	Su		
10		S	S	Y		20		S	Su	Y		30		S	S	Y		40		S	S	Y		50		S	S	Y	

Measurements

	Sex	TL	T	HF	D	grams
A	♂	174	71	19	14	26 — bait only
B	♂	173	75	20	15	27
C	♂	[illegible]	[illegible]	20	[illegible]	14
D	♂	169	70	19	15	23 — stomach empty
E						

File No: 83.C.5.2.2-17

SMALL MAMMAL PITFALL FIELD DATA SHEET

tfall Bottomland Location 1 Field Analysts McGuire / Swanson

mpling Period [illegible] July 75 Project Number 83 QA Check RMM 8/1

Date	Species	Sex	Age	Comments*
/26/75	no captures			
27/75	no captures			
28/75	no captures			
	This trapping was terminated			
	ince having by local			
	ncher was about to			
	commence.			

roductive condition, diagnostic characters, future use of
ecimens, etc.

[illegible]

QA RDM 8/1

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall Number 2 Location ~~Boothill Sage~~ Sagebrush

Sampling Period JULY 75 Project Number 83 Checked By [illegible]

D e	Species	Sex	Age	Comments*
27 July 75	Peromyscus maniculatus	M	A	—
28 July 75	Perognathus apache	U	A	—
29 July 75	No Captures			
30 July 75	Perognathus apache	F	A	
	completed			

*eproductive condition, diagnostic characters, future use of ecimens, etc.

ECI

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Set 1130, 25 July

File No: 83-C.53.2-1[illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall Rabbitbrush Location 3 Field Analysts McGuire / Aronson

Sampling Period July 75 Project Number 83 QA Check RDM 8/1

Date	Species	Sex	Age	Comments*
26 July 75	PEMA	u	J	
26 July 75	PEMA	u	J	
27 July 75	No Captures			
7/28/75	No Captures			
7/29/75	PEAP	F	J	
	7/29/75 Terminated			

---

* Reproductive condition, diagnostic characters, future use of specimens, etc.

File No: 83 C.5.3.2-20

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall #4 Location ~~Tower Rd.~~ Pinyon Juniper/Mixed Brush Field Analysts McGuire / Aronson

Sampling Period July 75 Project Number 83 QA Check Rkm 8/1

te	Species	Sex	Age	Comments*
27 July 75	No captures			
28 July 75	No captures			
29 July 75	No captures			
30 July 75	No captures			

*Reproductive condition, diagnostic characters, future use of specimens, etc.

ECI

83.C.5.3.

SMALL MAMMAL PITFALL FIELD DATA SHEET

QA RDM 8/1

itfall Number Riparian Location Stake Springs Draw

ampling Period July 75 Project Number 83 Checked By McGuire

D	Species	Sex	Age	Comments*
/28/75	No captures			
/29/75	No captures			
7/30/75	no captures			
7/31/75	no captures			
Completed 1030 31 July				

Reproductive condition, diagnostic characters, future use of
pecimens, etc.

ECI
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File No: 83.C.5,3.

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall #6 Location Pinyon Juniper / Sage HORSE P.J. Field Analysts Sanz, Savidge

Sampling Period JULY 75 Project Number 83 QA Check RAM 8/1

Date	Species	Sex	Age	Comments*
26 July 75	No CAPTURES			
27 July 75	No CAPTURES			
28 July 75	No Captures			
29 July 75	No captures			
	Completed			

*Reproductive condition, diagnostic characters, future use of specimens, etc.

ECI

File No: 83 C.5.3.2-

SMALL MAMMAL PITFALL FIELD DATA SHEET

fall 7 Location Upland Meadow Field Analysts BAKER/REYES

mpling Period July '75 Project Number 83 QA Check RMM 8/1

te	Species	Sex	Age	Comments*
26 July	No captures			
7 July	No captures			
28 July	NO captures			
29 July	NO captures			

Reproductive condition, diagnostic characters, future use of specimens, etc.

ECI

File No: 83.[illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

itfall A Location Creosotewood Sage Field Analysts Sang, Sarridge

ampling Period JULY 75 Project Number 83 QA Check RPM 8/1

Date	Species	Sex	Age	Comments*
26 July 75	No Captures			
27 July 75	No captures			
28 July 75	No captures			
29 July 75	No captures			

Completed

roductive condition, diagnostic characters, future use of
cimens, etc.

File No: 73.C.5, 3,2 -[illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pinyon - Juniper South slope

Pitfall [illegible] Location B Field Analysts McClure / [illegible]

Sampling Period July 75 Project Number 23 QA Check RDM 8/1

Date	Species	Sex	Age	Comments*
7/27/75	no captures			
7/28/75	no captures			
7/29/75	No captures			
7/30/75	No captures			
	Complete			

*Reproductive condition, diagnostic characters, future use of specimens, etc.

ECI

File No: 83.C.5.3.2-26

SMALL MAMMAL PITFALL FIELD DATA SHEET

tfall C Location Pinyon Juniper - North Slope ~~North - P.J.~~ Field Analysts Samz, Savidge

mpling Period JULY 75 Project Number 83 QA Check CBm 8/1

i[illegible]e	Species	Sex	Age	Comments*
4 July 75	No Captures			
7 July 75	No Captures			
8 July 75	No captures			
9 July 75	No Captures			

completed

eproductive condition, diagnostic characters, future use of
pecimens, etc.

File No: 83.CE.3.2-27

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall (D) Location Sagebrush ~~REMARK SAGE~~ Field Analysts Sam, Savidge

Sampling Period JULY 75 Project Number 83 QA Check RAM 8/1

Date	Species	Sex	Age	Comments*
26 JULY 75	NO CAPTURES			
27 July 75	PEMA	F	J	
28 July 75	[illegible]			
29 July 75	PEMA	M	A	

Computerized

* Reproductive condition, diagnostic characters, future use of specimens, etc.

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File No: 83.C.5.3.2 [illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

:fall (E) Location Mixed Brush Field Analysts BAKER / REYES

pling Period July '75 Project Number 83 QA Check RDM 8/1 ~~(not tagged)~~ RDM 8/6/75

Date	Species	Sex	Age	Comments*
6 July 75	No captures			
7 July	No captures			
8 July	No captures			
9 July	~~Microtus sp.~~ Microtus longicaudis RDM 8/6/75 (FAR)	♂	A	Taken [illegible] [illegible] T.D.

*productive condition, diagnostic characters, future use of
cimens, etc.

ECI

File No: 83 C.5.3.[illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

Pitfall F Location Douglas Fir Field Analysts BAKER / [illegible]

Sampling Period July '75 Project Number 83 QA Check RDM 9/1

Date	Species	Sex	Age	Comments*
27 July	No captures			
28 July	No captures			
29 July	No captures			
30 July	No captures			

---

* Reproductive condition, diagnostic characters, future use of specimens, etc.

File No: 83.C.5.3.2[illegible]

SMALL MAMMAL PITFALL FIELD DATA SHEET

itfall # G Location Aspen Field Analysts BAKER / REYES

amp ng Period July '75 Project Number 83 QA Check RDM 8/5

Date	Species	Sex	Age	Comments*
28 July	No Captures			—
29 July	No Captures			—
30 July	MILO	♂	A	—
[illegible]	No Captures	—	—	—

*Reproductive condition, diagnostic characters, future use of

C.5.42-5

MAMMAL NIGHT ROAD CENSUS DATA AND SUMMARY SHEET

Project 83 Transect # one Date 22/23 June 75 Sunset Time ≈ 2100

Time Begun 2315 Temp. ≈ 50°F Time Completed 0400 23 June Temp. ≈ 40°F Cloud Cover 0 %

Starting Point 84 mesa 34.3 Finish Point 64.3 [illegible] Length of Transect 30 miles

Observable Distance Estimates up to 25 meters.

PDM 9/[illegible] ([illegible])

RBOSP PROGRESS REPORT

Mile 1 18 ; 2 18 ; 3 18 ; 4 16 ; 5 13 ; 6 15 ; 7 18 ; 8 14 ; 9 15 ; 10 10 ;

11 12 ; 12 12 ; 13 12 ; 14 13 ; 15 12 ; 16 20 ; 17 13 ; 18 7 ; 19 12 ; 20 12 ;

21 16 ; 22 14 ; 23 10 ; 24 9 ; 25 10 ; 26 10 ; 27 15 ; 28 8 ; 29 10 ; 30 10 .

Odometer Reading	Species Observed	Habitat	Odometer Reading	Species Observed	Habitat
35.8	L. townsendii	short sage			
40.1	E. dorsatum	Sdth shrub			
40.1	" "	" "			
54.8	Sylvilagus sp.	Sage			
55.0	Bat (hoary?)	on road			
56.0	L. townsendii	Sage			
56.7	Horses * (10)	P.J./Sage			
57.7	Bat (?)** [illegible]	on road [sage]			

* Horses are inventoried by other methods

** The bats appeared large and relatively light colored they might be hoary bats or P. [illegible] of U.S.F.S. mist netted these bats in the general vicinity of the sightings. The [illegible] also recorded by these means

C.5.4.2-4

MAMMAL NIGHT ROAD CENSUS DATA AND SUMMARY SHEET

Project 83 Transect # two Date 25/26 June 75 Sunset Time ± 2100

Time Begun 2325 Temp. ± 40 °F Time Completed 0130 26 June Temp. ± 40°F Cloud Cover 0

Starting Point 39.7 89 mesa as delineated in scope of work Finish Point 69.7 cattleguard gulch Length of Transect 30 mi

Observable Distance Estimates up to 25 meters. Same as from 22 June, 1975

RBOSP PROGRESS REPORT

Mile 1____; 2____; 3____; 4____; 5____; 6____; 7____; 8____; 9____; 10____;

11____; 12____; 13____; 14____; 15____; 16____; 17____; 18____; 19____; 20____;

21____; 22____; 23____; 24____; 25____; 26____; 27____; 28____; 29____; 30____.

Odometer Reading	Species Observed	Habitat	Odometer Reading	Species Observed	Habitat
47.1	Cat ** (large)	same			
48.8	Horse *	P.J. /Sage			
49.7	L. townsendii	meadow, on bluffs			
55.6	L. townsendii	same			
56.3	Horses *	P.J. /Sage			
56.9	Sylvilagus sp.	" "			
59.6	Horses *(11)	" "			
63.9	Sylvilagus sp.	Pinyon/Juniper			
64.2	Sylvilagus sp.	" "			

*; ** see comments on mammal night road census data sheet for 22/23 June 75

File No. 83.C.5.5.2-1

BAT MIST NET SAMPLING SHEET

Collector(s) Turner/Baker Date 6/17/75 Project 83

Location: T 2S R 93W S 9 1/4 1/4 S NW/SE Time Net Set 3:30 pm

Description water tank QA Check KOM 7/17

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
900	—		
915	Myotis evotis wt 5gm	♀	voucher - specimen saved
930	—		in lab.
945	Myotis sp [illegible] 3g.	♀	"
1000	0003 Myotis sp [illegible] 3g	♀	"
1010	Myotis sp - 0001 [illegible] 3g	♂	released - same sp as prev. myotis
	= 0004 + 0003		
1035	Myotis evotis 0002 5g.	♂	voucher
1105	0010 Myotis evotis 5g	♀	released
Net was	checked continuously		from 3:30 til 11:45.
At	11:45 wind picked	up	and it started raining.
	as a result bat activity		was greatly curtailed and
	the net was taken down		

175

File No. 83.C552-2

BAT MIST NET SAMPLING SHEET

Collector(s) Turner/Baker Date 6/18/75 (night) Project 83

Location: T 15 R 93W S 7 1/4 1/4 S SW/NW Time Net Set 930 pm

Description Windmill tank - Duck Creek QA Check [illegible]

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
temp	clouded overcast	72	930
1030	——— no bats		
1045	——— no bats		
11.00	Myotis evotis 0030 ≈ 9 gm	♀	marked and released
11:15	——— no bats		
no	bat activity at 11:15	- net	pulled
very	cool night - little insect		or bat activity

6/75

File No. 83.C.5.5.2

BAT MIST NET SAMPLING SHEET

Collector(s) Turner/Baker Date 6/13/75 Night 3 Project 83

Location: T 25 R 9W S CP. 1/4 1/4 SNW/SE Time Net Set 810 p.m.

Description H2O tank near [illegible] School QA Check [illegible]

Time Net Checked ← Nets checked continuously	Species	Sex	Comments (condition, collection, release, etc.
2115	Myotis evotis	♂	0020 released ear 19mm
2125	Pipistrellus		
2130	M. leibii	♂	0019 [illegible]) released
2135	M. leibii	♀	0020 [illegible] [illegible]
2145	M. evotis	♀	0021 " "
2225	M. evotis	♀	0011 " ✓
AFTER	2225 no BATS	SEEN	- NET PULLED 2300
Cold	clear night		

File No. 83C552-4

BAT MIST NET SAMPLING SHEET

Collector(s) Baker Date 6/~~19~~20/75 Project 83
Location: T25 R98W S 9 1/4 1/4 S NE&SE Time Net Set 2000
Description Cattle tank QA Check [illegible]

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
No	Captures		

6/75

File No. 83.C.5.5.2-5

BAT MIST NET SAMPLING SHEET

Collector(s) Baker, Finley Date 20 June 1975 Project 83
Location: T 15 R 98W S 7 1/4 1/4 SSW¼NW Time Net Set ~~2000~~ 2130
Description Cattle Tank QA Check

what about weight?

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
~~No~~	~~capture~~		
2210	Myotis evotis	♀	given to Finley

File No. 83C55.2-16

BAT MIST NET SAMPLING SHEET

Collector(s) Steve Baker Date 14 August Project 83

Location: T 25 R 99W S 15 1/4 1/4 S SW/SE Time Net Set 2015

Description House at Cole Spring w/ stock tank and outside light QA Check RJM 2/[illegible]

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
No	CAPTURES		
	Many bats are flying, these are [illegible] [illegible] seen		
	as well as [illegible] the		[illegible]. By 2300 activity
	had stopped.		

6/75

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File No. 83C 532-17

BAT MIST NET SAMPLING SHEET

Collector(s) Cruz / Rainier
Date 15 Sep 75
Project 23
Location: T 25 R 9W S 12 1/4 1/4 SSW/NE
Time Net Set 2030
Description Small sand, Cobble, Grass - near dense hardwood
QA Check RDM [illegible]

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
2112	Myotis leibii	[illegible]	released

File No. [illegible]

BAT MIST NET SAMPLING SHEET

Collector(s) [illegible] Date 15 Aug 75 Project 83

Location: T 2S R 97W S 9 1/4 1/4 S SE/SE Time Net Set 2200

Description [illegible] QA Check [illegible] 9/22

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
2330	Myotis sp. (3)	♂	collection
2345	Myotis evotis	?	escaped

File No. 83C35J-11

BAT MIST NET SAMPLING SHEET

Collector(s) [illegible] / [illegible] Date 16 Aug 75 Project 83

Location: T 25 R 100W S 22 1/4 1/4 S NW/SE Time Net Set 2030

Description [illegible] QA Check DDM 2/2

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
No Captures			

File No. [illegible]

BAT MIST NET SAMPLING SHEET

Collector(s) [illegible] / BAKER Date 17 Aug 75 Project ES

Location: T 25 R 93W S 12 1/4 1/4 SSW/NE Time Net Set 2000

Description [illegible] QA Check RDM 9/22

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
2215	Lasiurus cinereus	♀	released

File No. BC332-21

BAT MIST NET SAMPLING SHEET

Collector(s) [illegible] Date 17 Aug 75 Project 83

Location: T 25 R [illegible] S 9 1/4 1/4 S [illegible] Time Net Set 2020

Description stock tank near [illegible] QA Check RMM 9/

Time Net Checked	Species	Sex	Comments (condition, collection, release, etc.)
2050	Myotis evotis	♂	released
2120	" "	♀	"
2140	" leibii	♂	"
2257	" sp.	♀	same sp. as collected 15 Aug.
2257	" leibii	♀	released
2352	" californicus	♀	"
2352	" californicus	♀	"

6/75

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2.3.4 Large Mammals

2.3.5 Mammalian Predators

2.3.6 Winter Track Counts

2.3.4 Large Mammals

2.3.4.1 Introduction

Large mammal investigations are designed to determine the distribution and relative abundance of mule deer, elk, and feral horses in the vicinity of Tract C-a on a seasonal basis. Investigations are also being conducted to determine relative use of portions of the study area during seasonal movements of mule deer.

2.3.4.2 Methods

2.3.4.2.1 Aerial Surveys

Aerial censuses being conducted to determine relative distributional abundance of mule deer, elk, and feral horses on Tract C-a and surrounding areas employ a high-wing Cessna aircraft designed to permit slow flight at low levels above the ground. The plane is flown along standardized transects (flight paths) within the range of 120-136 km (75-85 mi) per hour (indicated air speed) at an altitude of approximately 45.7 m (150 ft) above the ground. Due to the varied topography, the above-ground altitude varies slightly within transects, however, the flight paths, speed, and altitude of the aircraft are duplicated as much as weather conditions permit.

Weather conditions are of such a variable nature that perfect flight conditions are not possible for every flight. At times, the weather may postpone a flight or terminate a census that is in progress. The observer makes a decision if the census is to be conducted or continued after consultation with the pilot concerning the limitations on flight caused by the weather. The decision is based on considerations for safety of the observers and the effectiveness of the survey. The level of effectiveness of the survey is a judgment made by the observer based on past experience in conducting censuses. If a flight is postponed or not completed, it is conducted in its entirety when weather conditions become more favorable.

Census flights are conducted at approximately two week intervals from late October through early April to assess the mule deer population during the winter period. Flights conducted bimonthly during the summer months are intended mainly for elk and feral horse observations. All species of animals observed during each census flight are recorded.

Complete coverage of the area of investigation is accomplished by 19 north-south transects. The flight paths parallel each other at approximately 0.81 km (0.5 mi) intervals east of Tract C-a and 1.6 km (1.0 mi) intervals on the tract and to its west (Figure 2.3-14). More intensive coverage is applied to the east of the tract since Baker (1970) identifies this region as a major mule deer winter concentration area.

TERRESTRIAL ECOLOGICAL INVESTIGATIONS

RIO BLANCO OIL SHALE PROJECT

LARGE MAMMALS

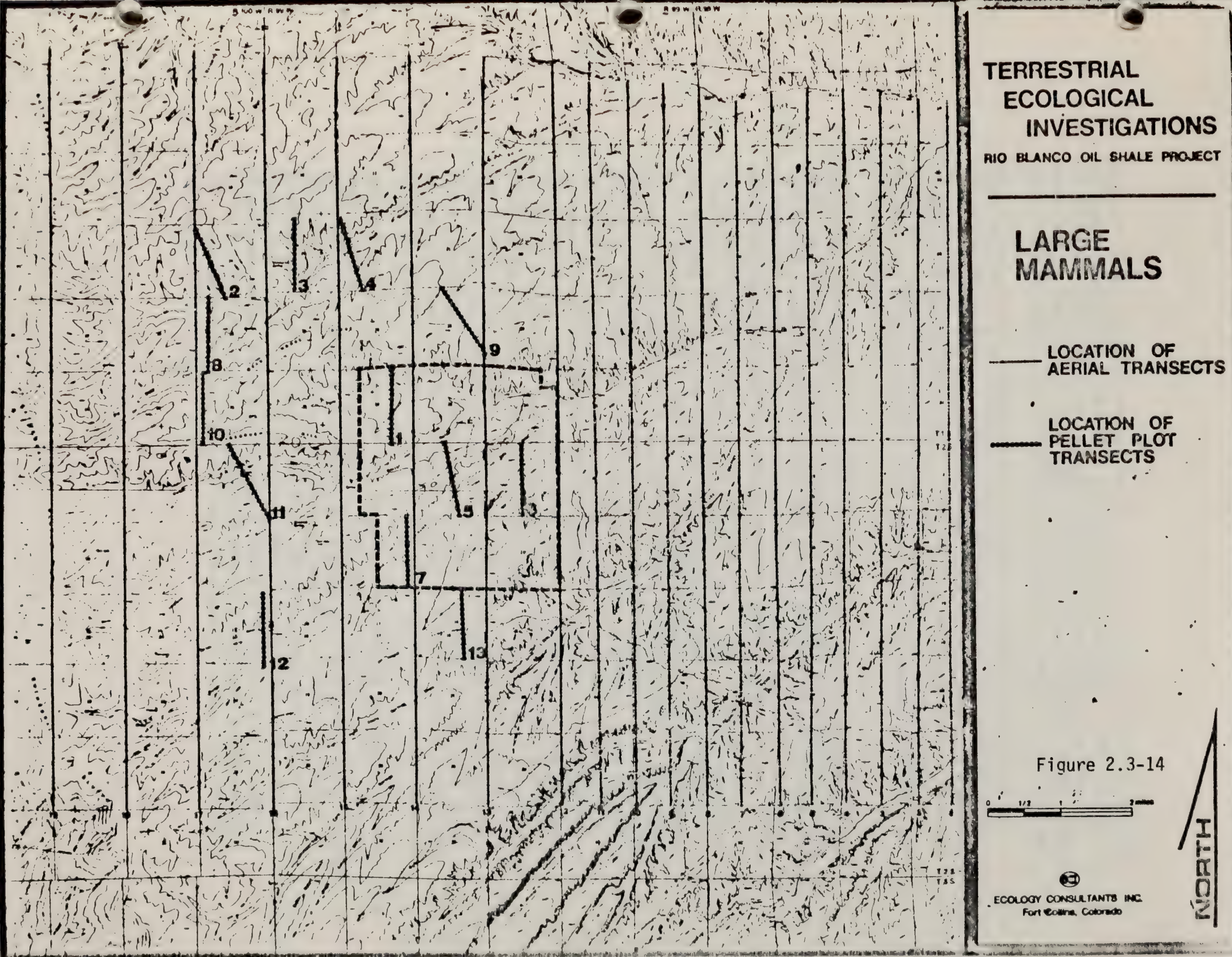

LOCATION OF AERIAL TRANSECTS
LOCATION OF PELLET PLOT TRANSECTS
1
2
3
4
5
6
7
8
9
10
11
12
13
0
1/2
1
2 miles
NORTH
ECOLOGY CONSULTANTS INC.
Fort Collins, Colorado

Figure 2.3-14

The aerial censuses conducted to the east of Tract C-a survey an area of approximately 16.1 km (10.0 mi) by 8.9 km (5.5 mi). The boundaries of the area are Duck Creek on the north, a line running north and south approximately 1/2 mile east of Duckett Ranch on the east, Duckett Ranch on the south, and the eastern boundary of Tract C-a on the west.

The remaining 8 transects survey an area of approximately 16.1 km (10.0 mi) by 12.1 km (7.5 mi). The boundaries of this area on the north and south are extensions of the northern and southern boundaries of the area east of the tract. The eastern most transect is located along the eastern boundary of the tract while the western-most transect is along the north-south section lines immediately east of Cathedral Bluffs.

To permit constant observation of the transect area along the flight paths, portable tape recorders are used to record information during the census. All animals seen by the pilot and two observers (positioned on opposite sides of the plane) are identified to species, counted, and their locations noted. The observers communicate with each other and the pilot when necessary to confirm the location of animals observed. When possible, information on age, sex, activity patterns and habitat is also recorded on the cassette tape. Immediately before the censuses commence, each observer identifies the category of data to be recorded (i.e., Large Mammal Aerial Census), the date, area to be surveyed, observer's name and observation position in the aircraft, the name and position of the other observer, name of pilot and make and model of aircraft on the tape. Weather conditions such as temperature, estimated wind speed and direction, and estimated cloud cover are also recorded. The time is recorded at the beginning of the first transect and at the end of the last transect for the census area. General impressions on animal distribution, ground cover characteristics, changing weather conditions, light and spotting conditions, and flight characteristics are recorded at appropriate times throughout the census flight. Other species of animals (such as coyotes) observed incidentally during the aerial surveys are also noted to aid in the evaluation of the distribution of these species.

The information recorded on the tape is transferred by each observer from a transcript onto a standard data form (Figure 2.3-15). Distribution maps showing locations of the animals observed are generated at the same time. Incidental observations are recorded on Field Observation Sheets (Figure 2.3-16). The procedure described above is completed as soon as possible upon completion of the census flight. If circumstances should occur which cause a delay of over 14 days or if another flight is conducted before the data are recorded on the data forms and distribution maps, the analyst notes such a delay on the forms and map.

File No.__________

LARGE MAMMAL AERIAL CENSUS REPORT AND DATA SUMMARY FORM

Proj/Study__________ **Date Flown**__________ **Species**__________ **Survey Area**__________

Observers: R__________ L__________ **Pilot/Aircraft**__________

Start__________ **Finish**__________ **Ave. Indicated Air Speed**__________ **Est. Altitude**__________

Counting Conditions: Ground Cover__________ Light__________ Air__________

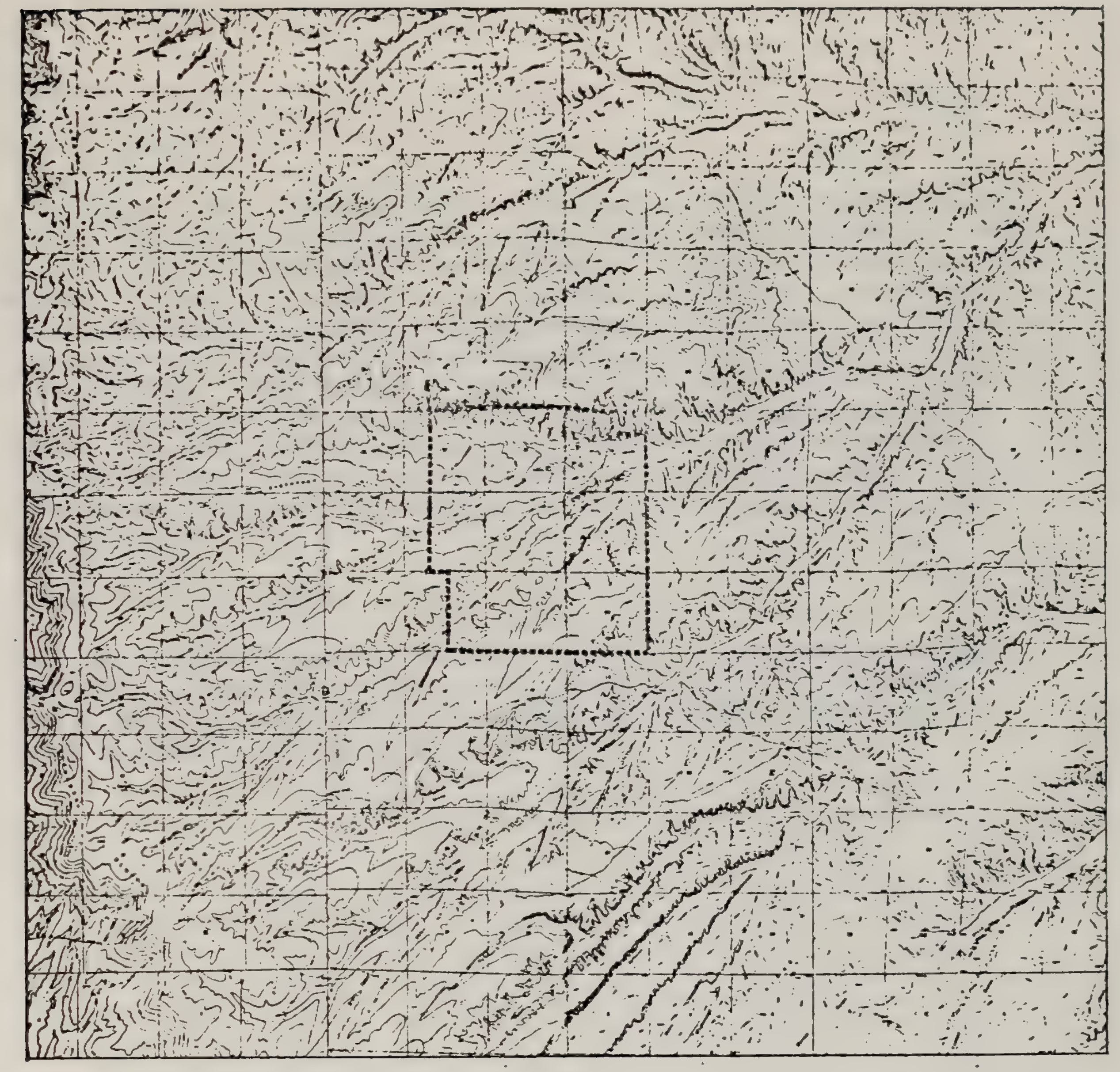
Weather: Temp.__________ Wind__________ Cloud Cover__________ Analyst__________ QA Check__________

Observations				Location	Notes and Comments
M	F	JUV	U		

Total Animals Counted:

Animal Distribution:

Figure 2.3-15. Large mammal aerial census report and data summary form for RBOSP.



Species__________________________________ **Date**________________ **Time**____________

Means of Identification____

Number Observed_____________ ♂ _________ ♀ _________

Adult_________ **Juv.**_________

Habitat____

Other Information*____

____

Observer____________________________

* Include any distinguishing field marks for horses.

Figure 2.3-16. Field observation sheet for RBOSP.

2.3.4.3 Results

2.3.4.3.1 Aerial Surveys

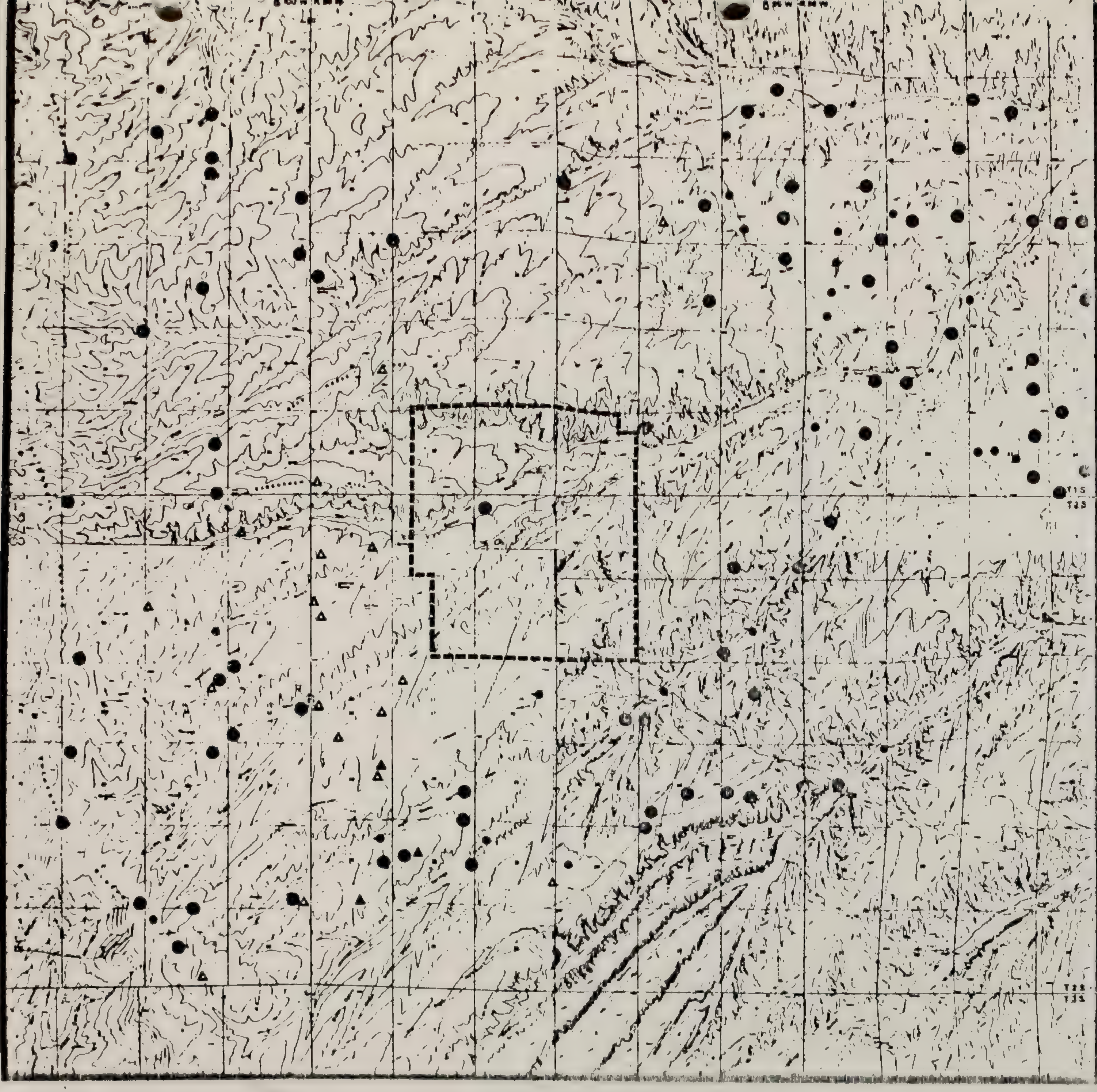
Large mammal aerial surveys were conducted on June 26 and August 18, 1975. The number of mule deer, elk and feral horses observed during each survey is presented in Table 2.3-148. Deer or elk were not observed during the surveys. It is expected that mule deer and elk were located in the mountain brush, aspen, and Douglas fir vegetation types during this period and consequently were not readily visible from the air. Feral horses are more visible, due in part to their varied coloration, larger size, and habit of frequenting more open areas. Most of the feral horses were observed in the southwest quarter of the study area during the aerial counts (Figure 2.3-17). More horses were observed during the June survey than during the August count.

2.3.4.4 Summary and Conclusions

Mule deer and elk were not observed during the two aerial surveys conducted on June 26 and August 18, 1975. A total of 156 feral horses was observed during the surveys and most of these occupied areas southwest of Tract C-a.

Table 2.3-148. Number of mule deer, elk, and feral horses observed during aerial censuses on June 26 and August 18, 1975 for RBOSP

Date	Mule Deer	Elk	Feral Horses		
			Adult	Foal	Unidentified
June 26	0	0	69	24	0
August 18	0	0	55	8	0
Totals	0	0	124	32	0



TERRESTRIAL ECOLOGICAL INVESTIGATIONS

RIO BLANCO OIL SHALE PROJECT

LARGE MAMMALS

AERIAL CENSUS

JUNE-AUGUST, 1975

NUMBER AND APPROXIMATE LOCATIONS OF FERAL HORSES AND DOMESTIC LIVESTOCK

	1-10	11-20
FERAL HORSES	△	▲
DOMESTIC LIVESTOCK	●	•

Figure 2.3-17

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2.3.4.5--LARGE MAMMALS RAW DATA

2.3.4.5--LARGE MAMMALS RAW DATA

BIG GAME AERIAL CENSUS REPORT AND DATA SUMMARY FORM C.6.1.3.1.1

Proj/Study 83/04 Date Flown 06/24/75 Species Mule deer Survey Area Rio Blanco Study

Observers: R Culling L D Van Horn Pilot/Aircraft Len Pearce / Cessna 206

Start 0448 Finish 0931 [✓ Est]. indicated air ~~ground~~ speed & alt. 80 mph @ ~150' above gr

Hunting conditions: Ground cover Poor/fair [illegible] Light Excellent Air Excell

Weather: Temp. 35°-58°F Wind [illegible] Cloud cover 0/0 Analyst CCC

REM 7/22

Observations				Location	Notes and Comments
♂	♀	JUV	U		
				No deer observed this time.	

tal Animals Counted: NONE

imal Distribution:

File No. 83.C.6.1.3.1-12

LARGE MAMMAL AERIAL CENSUS REPORT AND DATA SUMMARY FORM

1 of 1

Proj/Study 83/04 Date Flown 18 August '75 Species Mule deer Survey Area Rio Blanco Cnty

[illegible]ervers: R_F CL Kling L_R P Kennedy Pilot/Aircraft Len Paur / Cessna

Start 0718 Finish 0945 Ave. Indicated Air Speed 80 mph Est. Altitude 150'

Counting Conditions: Ground Cover summer - poor Light Good Air Good

Weather: Temp. 60/66°F Wind 5/ Cloud Cover 0/15% Analyst PK + CLK QA Check RDM 9/2/75

Observations				Location	Notes and Comments
M	F	JUV	U		
					No mule deer observed this date CLK
					No mule deer observed this date PK

Total Animals Counted: 0

Animal Distribution:

BIG GAME AERIAL CENSUS REPORT AND DATA SUMMARY FORM C.6.6.3.1.1-

roj/Study 83/04 Date Flown 6/24/85 Species Elk Survey Area Rio Blanco Study Area

bservers: R C Kling L D VanHorn Pilot/Aircraft Lon Peree / Cessna 206

tart 0848 Finish 0921 [✓ Est]. Indicated air [✓ Ground] speed & alt: ~80 mph @ ~150' above

ng conditions: Ground cover patchy 1/10 snow Light Excellent Air Excellent

eather: Temp. 35/38 F Wind moderate Cloud cover 0/0 Analyst CLK

RPM 7/22

servations				Location	Notes and Comments
	♀	JUV	U		
				No elk observed this time	

al Animals Counted: None

al Distribution:

ECI

File No. 83.C.6.6. 3.1.1.

LARGE MAMMAL AERIAL CENSUS REPORT AND DATA SUMMARY FORM 1of1

Proj/Study 83/04 Date Flown 18 Aug. 1975 Species Elk Survey Area Rio Blanco St.

([illegible]rvers: R f CLKling L R P. Kennedy Pilot/Aircraft LK Pace / Cessna 206

Start 0718 Finish 0945 Ave. Indicated Air Speed 80 mph Est. Altitude 150'

Counting Conditions: Ground Cover summer - poor Light good Air good.

Weather: Temp. 60/65F Wind 0-5 south / 10-15 Cloud Cover 0/5-10 Analyst PK + CLK QA Check RCM 9/2/75

Observations				Location	Notes and Comments
M	F	JUV	U		
					No elk observed this date CLK.
					No elk observed this date PK

tal Animals Counted: 0

imal Distribution:

BIG GAME AERIAL CENSUS REPORT AND DATA SUMMARY FORM 83.C.6.6.3

tudy 83/61 Date Flown 6/26/75 Species Feral Horse Survey Area Rio Blanco Study [illegible]

ers: RF CL Kling LF C. [illegible] Pilot/Aircraft Len [illegible] / [illegible] 206

0648 Finish 0921 Est. ~~ground~~ air speed & alt. 80 mph @ ~150' above g[illegible]

ng conditions: Ground cover [illegible] Light [illegible] Air [illegible]

er: Temp. 35°/[illegible] Wind [illegible] Cloud cover [illegible] Analyst [illegible] and CLK

[illegible] 7/2[illegible]

vations	Location	Notes and Comments
	N. OF ROAD ON HOOK RIDGE ON TRAN. 13	3 black & 1 white & 1 tan
1	corral gulch & water gulch confluence on TRAN. 15	2 dark & 3 tan (1 a juv.) & one white
3	Box Elder herd on T.15	4 adult dark & 3 juv. dark tan 1 ADULT white
4	Dead Eagle Ridge on T15	5 ADULT white & 5 ADULT dark 1 ADULT TAN & 1 JUV dark & 2 JUV TAN & 1 JUV CHESTNUT
1	Dead Eagle Ridge T16	Adult dapple & Adult white & ADULT buckskin & juv buckskin
1	WATER GULCH	3 adult chestnut 1 foal chestnut
	TRAN 32/ 17 & 18	ADULT white & Adult brown 2 Adult beigish blue
2	[illegible] Transect 11	Adults [illegible] 2 dark foals
2	[illegible] of [illegible] Transect 15	Adults [illegible] 2 dark foals
4	Dead Eagle Ridge [illegible]	Adults: [illegible] [illegible] Foals: [illegible]

nimals Counted: 93 69 Adults 24 Foals

Distribution: generally SW 1/4 of study area.

(1)

BIG GAME AERIAL CENSUS REPORT AND DATA SUMMARY FORM

83.C.6.6.3.1.2-15

oj/Study 83/61 Date Flown 06/24/75 Species Feral H Survey Area Rio Blanco Study Area

bservers: R ____ L ____ Pilot/Aircraft ____

tart ____ Finish ____ Est. ground speed & alt. ____

ou ng conditions: Ground cover ____ Light ____ Air ____

ather: Temp. ____ Wind ____ Cloud cover ____ Analyst ____

servations			Location	Notes and Comments
	JUV	U	township	
	2		Ridge NE of landing strip 11	Adult: 1 dark, 1 light, 1 chestnut
				Foal 1 chestnut 1 dark
	1		Airplane Ridge Near Coal Gulch 16	Adult: 1 dark 1 brown 1 light.
				Foal also dark
			2 ridges N of Greasewood Well 17	1 white 3 dark
	3		Dead Pig Ridge 18	Adults 1 dark 2 grey 2 brown
				Foals all dark
	4			

l Animals Counted: 93 69 Adults 24 Foals

l Distribution: generally SW 1/4 of study area

File No. 83C.6.6.3.1.2-16
1/61

LARGE MAMMAL AERIAL CENSUS REPORT AND DATA SUMMARY FORM

Proj/Study 83/04 Date Flown 18 Aug 75 Species Feral Horses Survey Area Rio Blanco Co.
O[illegible]vers: RF CLKling Lt P Kennedy Pilot/Aircraft LF Pauer / Cessna 206
Start 0718 Finish 0945 Ave. Indicated Air Speed 80 mph Est. Altitude 150'
Counting Conditions: Ground Cover summer - per Light Good Air Good
Weather: Temp. 60/66F Wind 0-5/10-15 South Cloud Cover 0 / 15% Analyst PLK + CLK QA Check RLM 1/2/75

Observations			Location	Notes and Comments
M F Adult	JUV	U		
			T.2.	New road cut up from Ryan to 84
			T6	Gravel mine? on NE part of Wolf Ridge
7	2		T.16 N side of Airplane Ridge	2gray 2dark 1white 1bay 1chestnut
~~7~~			~~T.15 Dead Horse Ridge~~	juv = 1 dark 1 white.
7			T.15 Dead Horse Ridge	Grazing in sagebrush habitat
21	5		T. 15 Landing Strip Ridge	
5			T.16 Spruce Gulch	
7			T.16 Dead Pig Ridge	3 were color identified: 1white, 2gray
8	1		T.16 Sagebrush Hill	1adult was gray. All running
				in sagebrush habitat
58				

tal Animals Counted: 63

imal Distribution: Landing Strip Ridge and within 1 mile west of that area.

2.3.5 Mammalian Predators

2.3.5.1 Introduction

No change has occurred since Progress Report-2. See section 3.7.1 in Progress Report-2 for the introduction to the mammalian predator section.

2.3.5.2 Methods

2.3.5.2.1 Large Predators

Two census methods, the scent-station visitation technique and the siren-elicited howling response procedure are being used to gather information on large predator populations. These methods were selected after a thorough review of the literature, and promise to yield reliable indices of large predator abundance and distribution.

2.3.5.2.1.1 Scent-Station Visitation Techniques

The scent-station visitation technique was developed in New York State by Cook (1949), who suggested that records of fox sign at scent posts provided a practical index to the relative abundance of foxes between areas, and from year to year. Richards and Hine (1953) in a survey conducted to inventory foxes in Wisconsin, used a variation of this technique as did Wood (1959) in 25 counties of Florida, South Carolina and Georgia.

The method has been standardized by the Denver Wildlife Research Center (Linhart and Knowlton, 1973). In cooperation with the Division of Wildlife Services, this center has used it to survey the relative abundance of predators in 17 western states. Approximately 350 scent-station lines of 50 stations each were distributed across more than 1.8 million sq mi and checked during the fall of 1972, 1973 and 1974 as part of a federal monitoring program. The results of the ongoing program are currently housed in ECI's library. Additional results will be available from the Fish and Wildlife Service as analysis of federal data will, in future years, be the responsibility of this agency. A statistical evaluation of the survey method is being developed under federal contract with Oregon State University and a contract completion report is expected in July 1975. An adaptation of this method is used on and near Tract C-a so that data collected by ECI personnel might generally be comparable to data obtained by federal agencies.

The technique as applied on Tract C-a involved the initial establishment of one "survey line" for November, 1974 and February, 1975 and the addition of a second survey line for June, 1975 and all subsequent samples. Each survey line consists of 50 scent-stations spaced approximately 0.5 km (0.3 mi) apart along a 24 km (19.7 mi) route

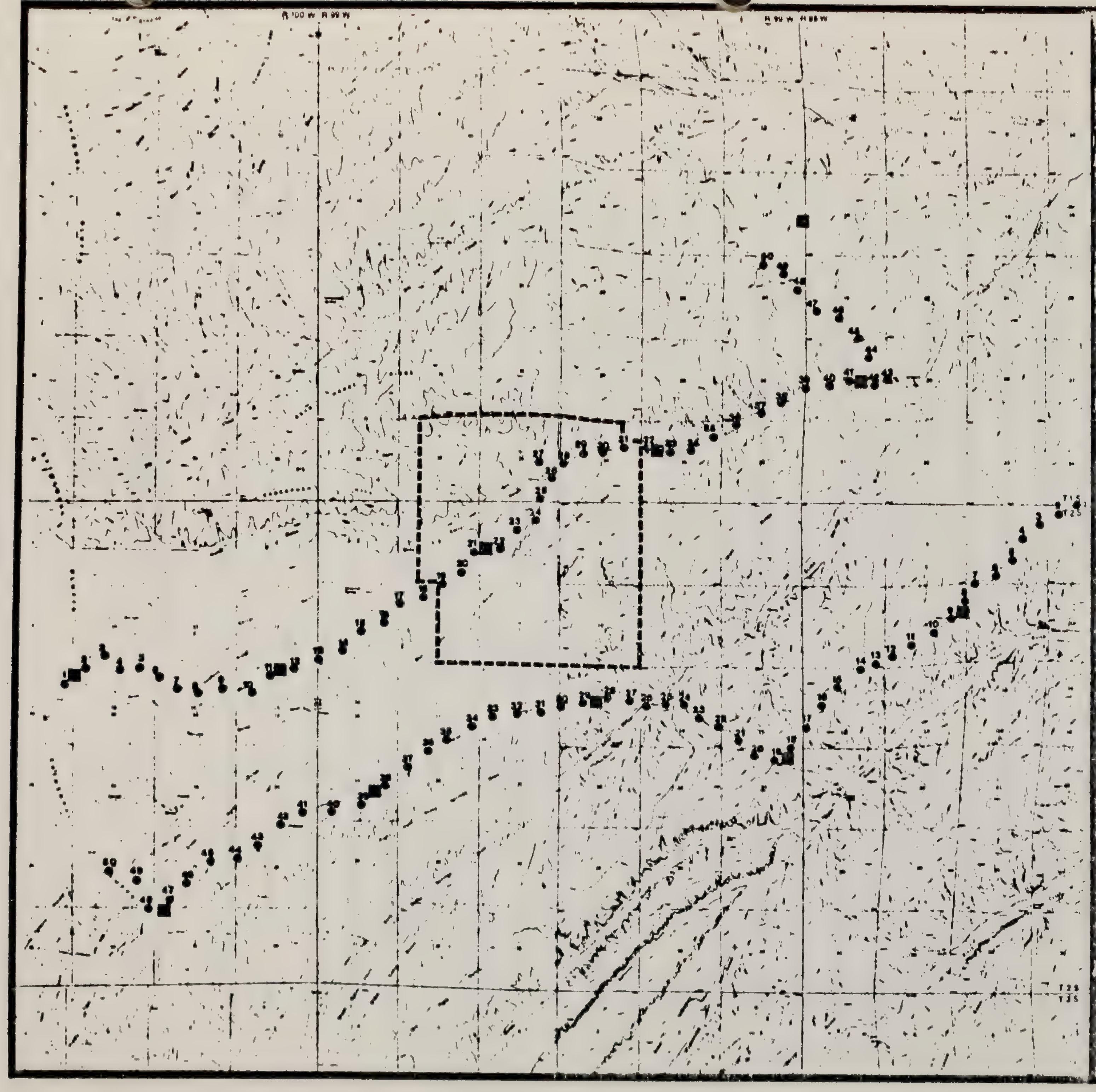
(Figure 2.3-18). At each station, a small perforated plastic capsule containing about 1 g of granular fermented egg extract as an attractant is positioned in the center of a circle of sifted earth 1 m (3.3 ft) in diameter. During sampling periods when snow is present, stations are placed in an unmarked patch of snow; only those tracks within the 1 m circle are recorded. The capsule is supported above the ground or snow by a thin wire rod. Stations are placed adjacent to the road edge and alternated from left to right sides of the road to reduce the influence of wind direction. Survey routes are checked daily for five consecutive days every fourth month, beginning in November 1974 (originally scheduled for October) and continuing through June 1976. Animal visits based on tracks are recorded for each station on a standard field data form (Figure 2.3-19).

Stations that are visited or disturbed are resifted or, in the case of snow, relocated in an unmarked area nearby. The fermented egg attractant remains active throughout the five-day sampling period and is only replaced if rendered uneffective by wind, rain, sleet or animals (Linhart and Knowlton, 1973). An olfactory check is made when conditions suggest the possibility of attractant ineffectiveness.

2.3.5.2.1.2 Coyote Siren Census

The siren-elicited howling response coyote census technique is being employed concurrently with the scent-station visitation technique. The former method has been tested by the Denver Wildlife Research Center (Carley, 1973) and has been used by the Oregon State Game and Fish Agency (Wolfe, 1974). The following procedures, patterned after Alcorn (1971a, 1971b) of the Bureau of Sport Fisheries and Wildlife, are being used for Tract C-a. A 48 km (30 mi) transect consisting of permanently marked siren stations spaced approximately 4.8 km (3 mi) apart was established along existing roads as shown in Figure 2.3-18. To help maintain a 10-station sample during nights when wind on Cathedral Bluffs or noise interferes with data collection, an eleventh station has been added to the end of the transect. A maximum of ten of the eleven stations are recorded on the data sheet for any one night. At each station, an electronic siren is sounded for two complete pitch cycles (≈20 seconds), followed by a 1-minute listening period. A second two-cycle sounding of the siren is followed by a 2-minute listening period.

Data recorded on a standard form (Figure 2.3-20) include time of soundings, response (defined as the number of groups or identifiable individuals heard) to the first sounding, response to the second sounding and total response, addition of the recorded howling response during the two listening periods. Notes on conditions which might affect data such as wind, precipitation, proximity to humans, or interference by noise are also recorded. Alcorn (1971a, 1971b) and Wolfe (1974) recommend that the survey be discontinued or the affected


R 100 W R 99 W
R 99 W R 98 W
T 1 S
T 2 S

TERRESTRIAL ECOLOGICAL INVESTIGATIONS

RIO BLANCO OIL SHALE PROJECT

MAMMALIAN PREDATOR SAMPLING LOCATIONS

- ● predator scent-stations
- ■ coyote siren census stations

Figure 2.3-18

0
1/2
1
2 miles
NORTH

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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location ____________ Proj. No. ________ Date ________ Day # ____

Investigator ____________ Survey Route ____________

____________ Weather ____________

---

1 ____________
2 ____________
3 ____________
4 ____________
5 ____________
6 ____________
7 ____________
8 ____________
9 ____________
10 ____________
11 ____________
12 ____________
13 ____________
14 ____________
15 ____________
16 ____________
17 ____________
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41 ____________
42 ____________
43 ____________
44 ____________
45 ____________
46 ____________
47 ____________
48 ____________
49 ____________
50 ____________

Figure 2.3- 19. Predator scent-station visitation field data sheet for RBOSP.

ECI
ecology consultants, inc.

SIREN-ELICITED HOWLING RESPONSE

Location__________ Project No._____ Date__________ Investigators__________

Survey Route__________ Weather__________

Station Number	Time	Response to First Sounding		Response to Second Sounding		Total Response		Notes on conditions affecting data; wind; proximity to humans, etc.
		Groups	Individual	Groups	Individual	Groups	Individual	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

Figure 2.3-20. Siren-elicited howling response data sheet for RBOSP.

station eliminated if winds are encountered in excess of 10 mph or if precipitation occurs. Stations where there is much interference by noise are omitted from the computation of relative abundance indices. Siren sampling is accomplished after dark on two nights with suitable weather conditions during the scent-station sampling period.

2.3.5.2.1.3 Other Large Predator Investigations

Two other kinds of field evidence are being compiled on the distribution and relative abundance of large mammalian predators. During the 24 aerial censuses of big game animals in the winter months and the six summer aerial censuses of wild horses, raptors and domestic livestock, the observing biologists record and map the location of all large predators seen. Other field data result from the winter track counts and the recording of sightings of large predators on field maps (Figure 2.3-16) by personnel working in the field throughout the year. Locations of deer and livestock carcasses are also being noted, as is possible evidence of predation or carrion usage.

In conjunction with a literature review on specific information of past records of abundance and distribution of large mammalian predators in this area, State of Colorado Division of Wildlife personnel are being interviewed for records of damage claims to livestock, and for hunting kill and trapping records of predaceous mammals in the region. Government hunters from the Bureau of Sport Fisheries and Wildlife who have been taking coyotes in western Colorado from helicopters, are also being contacted for specific information on large predators in the Piceance Basin.

2.3.5.2.2 Small Predators

Havahart live traps using baiting material deemed appropriate by a review of the literature are being routinely set during small mammal, mammalian predator and winter track count sampling conducted in every major habitat type in the study area. All traps are checked daily; any animal captured is identified to species and released. Location of captures, sightings by field personnel, scats, dens, and other definitive signs are carefully plotted on field maps (Figure 2.3-16). Compilation of all maps aids in determining the distribution of small mammalian predators within and adjacent to Tract C-a.

2.3.5.3 Results

The mammalian predator scent-station survey was conducted during the period June 22 through June 26, 1975. The siren-elicited howling response method was employed as a coyote census technique concurrently with the predator scent-station method on two nights of suitable weather conditions (June 22 and 25) during the 5-day sampling period.

The results of the predator scent-station technique and the corresponding relative abundance indices for the summer sampling period are summarized in Table 2.3-149, and the results of the siren-elicited howling response technique are presented in Table 2.3-150.

2.3.5.3.1 Scent-Station Visitation Technique

The scent-station visitation technique is not designed as a census technique, but may be applied as an index of relative abundance if the sample size is large enough. Although the sample was increased to two 50-station lines, this still doesn't constitute an adequate sample size to be statistically compared with larger geographic areas such as the state-wide index. The technique is presently the subject of statistical study to determine its sensitivity in limited areas and possible application as a census technique (Robert Roughton, U.S. Fish and Wildlife Service, personal communication).

Results of these surveys on Tract C-a to date indicate that the coyote and weasel (species uncertain) are the most abundant mammalian predators. They are the only predators that have responded to this survey technique.

Response during June, 1975 was moderate for the two sampling lines. A total of 12 coyotes and 12 weasels visited the scent stations during June (Table 2.3-149).

2.3.5.3.2 Coyote Siren Census

June, 1975 was the first sampling period when all ten siren stations were accessible. Snow-packed roads have prohibited complete sampling during previous sampling periods. A total of twenty responding groups of coyotes was recorded during the June, 1975 census (Table 2.3-150).

2.3.5.3.3 Small Predators

Havahart live-traps were set in the vicinity of the small mammal live trapping grids during June and July, 1975. No captures were recorded.

2.3.5.4 Summary and Conclusions

Records of tracks, scats and other definitive sign recorded by ECI personnel on and near Tract C-a to date as well as the results of the scent-station visitation census indicate that the coyote (Canis latrans) and the weasel (Mustela sp.) are the most abundant mammalian predators in the area. Both the long-tailed weasel (Mustela frenata) and the ermine (Mustela erminea) have been captured during live trapping.

Table 2.3-149. Scent-station visitation technique results and relative abundance indices as calculated from data collected during 1975 for RBOSP

Night:	1	2	3	4	5	Total	Relative Abundance Index [1/]
			Sample 3A (June 1975)				
Operable station nights:	47	47	45	46	43	228	
Visits by species:							
Coyote (*Canis latrans*)	-	2	1	1	2	6	26
Weasel (*Mustela* sp.)	2	2	-	-	2	6	26
			Sample 3B (June 1975)				
Operable station nights:	29	34	32	39	38	172	
Visits by species:							
Coyote (*Canis latrans*)	-	2	-	1	3	6	35
Weasel (*Mustela* sp.)	1	1	1	1	2	6	35

[1/] $\frac{\text{Total number of visits by species}}{\text{Total number of operable station nights}} \times 1000$

Table 2.3-150. Coyote siren census results and station and group response indices calculated from data collected during 1975 for RBOSP

Number of Stations	Number of Responding Stations	Number of Responding Groups	Station Response Index [1]	Group Response Index [2]
		Sample 3 (June 1975)		
20	10	20	50.00	100.00

---

[1] Station Response Index = $\frac{\text{Total number of stations with response}}{\text{Total number of stations}}$

[2] Group Response Index = $\frac{\text{Total number of groups responding}}{\text{Total number of stations}}$

Other mammalian predators that have been documented by tracks and direct observation on the site to date are the bobcat (Lynx rufus) and the badger (Taxidea taxus), respectively. Havahart traps were unsuccessful in recording the presence of small predators during June and July sampling. Further terrestrial investigations should yield additional species.

2.3.5 Mammalian Predators

2.3.6 Winter Track Counts

2.3.5.5--MAMMALIAN PREDATORS RAW DATA

2.3.5.5--MAMMALIAN PREDATORS RAW DATA

C.7.1.2-21

ecology consultants, inc.

PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco A Proj. No. 83 Date 22 June 75 Day # 1

Investigator Sanz Survey Route A. 84 mesa, cathedral bluffs

Weather partly cloudy, some shower activity

QA check R.macgregor 7/3

1	—	26	—
2	—	27	—
3	—	~~28~~	[illegible] resifted?
4	—	29	—
5	—	~~30~~	stepped on by human
6	—	31	—
7	—	32	—
8	—	33	—
9	—	34	—
10	—	35	chipmunk
11	—	36	—
12	—	37	—
13	—	38	—
14	—	(39)	weasel
15	—	40	—
16	—	(41)	weasel
17	—	42	—
18	—	43	—
19	—	44	—
20	—	45	—
21	—	46	—
22	—	47	—
23	—	48	—
24	chipmunk	49	—
25	—	~~50~~	destroyed by cattle

PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

ecology consultants, inc.

Location Rio Blanco B Proj. No. 83 Date 22 June 75 Day # 1

Investigator Baker, Sang Survey Route B. Cath. Gulleys,

Stakes springs.

Weather partly cloudy, some showers

QA check RAM 7/3

1 chipmunk

2 chipmunk

3 —

4 mouse

5 —

6 —

X wiped, wind

8 —

9 —

10 —

11 —

12 —

13 —

14 —

15 —

~~16~~ disturbed by cows

17 —

18 —

19 —

20 —

21 —

22 —

—

24 —

~~25~~ disturbed by cows

~~26~~ disturbed by cows

27 —

~~28~~ disturbed by cows

~~29~~ disturbed by cows

~~30~~ disturbed by cows

31 —

32 —

~~33~~ disturbed by cows

~~34~~ disturbed by cows

(35) weasel

~~36~~ disturbed by cows

37 —

~~38~~ disturbed by cows

~~39~~ disturbed by cows

~~40~~

~~41~~

~~42~~

~~43~~ stations not established yesterday due to rain

~~44~~

~~45~~

~~46~~

47 —

~~48~~ cow stole capsule

~~49~~ cow stole capsule

50 —

C.7.1.2-23

PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

ecology consultants, inc.

Location RIO BLANCO Proj. No. 83 Date 23 June 75 Day # 2

Investigator Sam Survey Route #4 mesa, cattle shed

bluffs H

Weather partly cloudy, showers

QA RDM 7/3

---

1 —
2 —
3 —
4 —
5 —
6 —
7 —
8 —
9 —
10 —
11 —
12 —
13 —
⑭ weasel
15 —
16 —
17 —
18 —
19 —
20 horse
21 —
22 horses
23 —
24 chipmunk
25 —
26 —
27 —
28 wisp, wind, hardpack
29 —
30 mice
31 chipmunk
32 —
33 —
34 —
㉟ coyote
36 —
37 —
38 —
㊴ weasel
40 —
41 —
42 —
43 —
44 —
45 —
46 jackrabbit
47 —
㊽ coyote
49 —
50 destroyed by cattle

C.7.1.2-2(ECI)

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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 23 June 1975 Day # 2

Investigator Baker Survey Route (B) Bluff-Stake Spring-Cattle Road

Weather Partly Cloudy

QA RPM: 7/3

1

2

3

4

5

6 ~~weasel (?)~~ — why question marks
[illegible] track

7 coyote, mouse

8

9

10

11

12

13 chipmunk (?) small rodent

14 chipmunk (?)

15

16

17

18

19

20

21 coyote (?) — ?? RDM unclear track
I.D. based on size

22

23 dist. by cows

24 chipmunk

25 dist. by cows

26

27 ~~disturbed by cows~~

28 dist. by cows

29

30 disturbed by cows

31

32

33 disturbed by cows

34 disturbed by cows

35 weasel

36

37 disturbed by cows

38 disturbed by cows

39

40 disturbed by cows

41 disturbed by cows

42 disturbed by cows

43 disturbed by cows

44

45

46 disturbed by cows

47

48 disturbed by cows

49 disturbed by cows

50

C.7.1.2-25 ECI

PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

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Location Rio Blanco Proj. No. 83 Date 24 Jun 75 Day # 3

Investigator Sanz Survey Route A

Weather windy overcast

QA RAM 7/3

1
2
3
4 —
5 —
6 —
7 —
8 —
9 —
10 —
11 —
12 —
~~13~~ magpie
⑭ coyote
15 —
16 —
17 —
18 —
19 —
20 —
21 —
~~22~~ destroyed by horse
23 —
24 —
25 —

26 —
27 —
28 mice
29 —
30 —
31 —
32 —
33 —
34 —
35 —
36 —
37 Cottontail
38 —
39 —
40 —
41 —
42 —
43 —
44 —
45 mice
46 —
47 —
~~48~~ destroyed by cattle
~~49~~ destroyed by cattle
~~50~~ destroyed by cattle

C.7.1.15

26 ECI

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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 24 June 1975 Day # 3

Investigator Baker Survey Route (B) Cath. Rd – Stake Spring – Cath. Bluffs

Weather cloudy

QA rpm 7/3

1 —
2 —
3 —
4 —
5 —
6 —
7 —
8 —
~~9~~ wind blown
~~10~~ wind blown
11 cottontail
12 —
13 —
14 —
15 —
16 —
17 —
~~18~~ wind blown
19 Chipmunk
20 —
~~21~~ wind blown
22 —
23 mouse
~~24~~ disturbed by cows
~~25~~ " " "

26 —
~~27~~ dist. by cows
~~28~~ dist. by cows
~~29~~ dist. by cows
~~30~~ " " "
31 —
~~32~~ dist. by cows
33 —
~~34~~ dist. by cows
㉟ weasel
36 —
37 —
~~38~~ wind blown
39 —
40 —
41 —
~~42~~ disturbed by cows
43 —
~~44~~ dist. by cows
45 —
46 —
47 —
~~48~~ dist. by cows
~~49~~ " " "
~~50~~ " " "

C.7.7.2
27 ECI
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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 25 June 75 Day # 4

Investigator Sam. Baker Survey Route A

Weather Windy, Cloudy

QA RPM 7/3

~~1~~ windblown
2 —
3 —
4 —
5 —
~~6~~ windblown
7 —
8 —
9 —
10 —
11 —
12 —
⑬ coyote (pup)
14 —
15 —
16 —
17 —
18 —
19 —
20 —
21 —
22 —
23 human
24 [illegible]
25 —

26 —
27 —
28 —
29 —
30 —
31 —
32 —
33 —
34 —
35 —
36 —
37 —
~~38~~ wind & rain
39 —
~~40~~ cattle
41 —
42 —
43 — ! coyote tracks nearby !
44 —
45 —
46 —
47 —
48 —
49 —
50 —

C.7.1.2 28

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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 25 June 75 Day # 4

Investigator Baker, Sanz Survey Route B

Weather windy, cloudy

QA RAM 7/3

---

1 —
2 —
3 —
4 —
5 —
6 —
7 —
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
~~16~~ cattle
17 —
18 —
19 —
20 —
~~21~~ wind blown
22 —
23 chipmunks
~~24~~ cows
~~25~~ destroyed by cows

26 —
~~27~~ destroyed by cattle
28 —
29 —
30 —
31 —
32 chipmunks
㉝ weasel
34 mice
~~35~~ destroyed by cattle
~~36~~ destroyed by cattle
37 mice
38 —
39 —
40 —
41 —
㊷ coyote
~~43~~ wind blown
44 —
45 —
46 —
47 —
~~48~~ wind, cattle
~~49~~ " "
~~50~~ "

C.7.7.2
29

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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 26 June 75 Day # 5

Investigator Sanz Survey Route A

Weather clear, warm

QA RDM 7/3

---

1 —
2 pocket gopher
3 —
4 —
5 —
6 —
7 —
8 —
9 —
10 —
11 —
12 —
13 —
14 —
15 —
⑯ weasel
17 —
18 humans
19 humans
20 —
21 —
22 —
23 jackrabbit
24 —
25 dog

26 dog
27 —
28 —
29 —
30 humans
31 —
32 —
33 mice
34 —
35 mice
36 —
37 —
㊳ coyote,
39 cottontail
40 —
41 cottontail
㊷ weasel
43 —
44 —
45 —
46 cattle
47 ″
48 ″
49 ″
㊿ coyote

30 ECI
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PREDATOR SCENT-STATION VISITATION FIELD DATA SHEET

Location Rio Blanco Proj. No. 83 Date 26 June 75 Day # [illegible]

Investigator Baker Survey Route B

Weather clear wind 3-15 mph

QA RDM 7/3

---

1 —

2 chipmunk

3 —

4 bird

5 horse

6 chipmunk

7 —

8 —

⑨ coyote

10 —

11 —

12 —

13 cottontail

14 cottontail

15 cattle

16 cattle

17 —

⑱ weasel

19 —

20 —

㉑ coyote

22 —

㉓ weasel

㉔ coyote (pup)

25 cattle

26 cattle

27 cattle

28 cattle

29 —

30 cattle

31 —

32 dist. by cows

33 —

34 —

35 —

36 mouse

37 —

38 bird

39 —

40 —

41 —

42 cows

43 —

44 —

45 —

46 cows

47 —

48 cows

49 cows

50 —

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SIREN-ELICITED HOWLING RESPONSE

Location Rio Blanco Project No. 83 Date 22 June 75 Investigators [illegible], [illegible]

Survey Route 84 mesa, cathedral bluffs, [illegible] springs (listening times reversed ie. 2 min + 1 min) Weather clear, full moon [illegible] 7/3

Station Number	Time	Response to First Sounding Groups	Response to First Sounding Individual	Response to Second Sounding Groups	Response to Second Sounding Individual	Total Response Groups	Total Response Individual	Notes on conditions affecting data; wind; proximity to humans, etc.
1	23:15	4	10-16	—	—	4	10-16	excellent conditions
2	23:50	2	4-6	2-3	4	4-5	8-10	" "
3	00:15	—	—	—	—	—	—	
4	0110	—	—	—	—	—	—	wind < 5
5	0140	1	1	—	—	1	1	wind ≈ 5-7
6	wind in excess of 10 mp.h. - this station not sounded							
7	0230	—	—	—	—	—	—	wind ≈ 7
8	0310	2	4	—	—	2	4	
9	0335	3	6-8	—	—	3	6-8	—
[illegible]	0405	—	—	—	—	—	—	—
10	04[illegible]	—	—	2	[illegible]-7	[illegible]	[illegible]-7	

C.7.2.2-5

SIREN-ELICITED HOWLING RESPONSE

ecology consultants, Inc.

Location Rio Blanco Project No. 83 Date 25 June 75 Investigators [illegible]

Survey Route [illegible] Weather [illegible]

(listening times reversed 1st 2 min. + 1 min.) 6/1 RPM 7/3

Station Number	Time	Response to First Sounding		Response to Second Sounding		Total Response		Notes on conditions affecting data; wind; proximity to humans, etc.
		Groups	Individual	Groups	Individual	Groups	Individual	
1	2325	—	—	—	—	—	—	—
2	2355	—	—	—	—	—	—	—
3	0025	—	—	—	—	—	—	—
4	0055	1	?	1	?	2	—	—
5	0120	—	—	1	—	1	—	good cond.
6	eliminated	because	of wind					[illegible] 15 [illegible]
7	0230	—	—		—	—	—	wind [illegible] 10
8	0300	—	—	—	—	—	—	good cond.
9	0325	—	—	—	—			
10	0350	—	—	1	—	1	?	—
11	0410	—	—	1	—	1	?	—

C 7.2.2-6

2.3.6 Winter Track Counts

2.3.6 Winter Track Counts

2.3.6.1 Introduction

No change has occurred since Progress Report 2. See section 3.8.1 in Progress Report 2 for the introduction to the winter track count section.

2.3.6.2 Methods

No change has occurred since Progress Report 2. See section 3.8.2 in Progress Report 2 for specific methods used in winter track count studies.

2.3.6.3 Results

Winter track count data were not gathered during the reporting quarter June through August, 1975.